



THE ROLE OF THE NONFUEL MINERALS IN THE NEVADA STATE ECONOMY AND THE COUNTIES OF ELKO, EUREKA, LANDER, NYE AND WHITE PINE





BLM Library Denver Federal Center Bldg. 50, OC-521 P.O. Box 25047 Denver, CO 80225

GEORGE M. SWISKO
DIVISION OF POLICY ANALYSIS
BUREAU OF MINES
U.S. DEPARTMENT OF THE INTERIOR

DECEMBER 1987

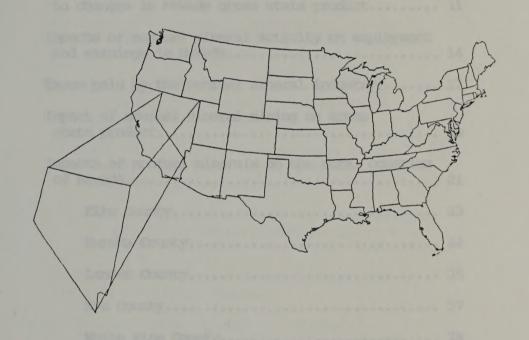
TN 23 .U44 1988-23



OPEN FILE REPORT 23-88.444 1908-2



THE ROLE OF THE NONFUEL MINERALS IN THE NEVADA STATE ECONOMY AND THE COUNTIES OF ELKO, EUREKA, LANDER, NYE AND WHITE PINE



GEORGE M. SWISKO
DIVISION OF POLICY ANALYSIS
BUREAU OF MINES
U.S. DEPARTMENT OF THE INTERIOR

DECEMBER 1987

BLM Library Denver Federal Center Bldg. 50, OC-521 P.O. Box 25047 Denver, CO 80225

CONTENTS

	Page
Abstract	. 7
Introduction	. 8
Acknowledgments	. 8
Nonfuel mineral production in the State of Nevada.	. 9
Changes in nonfuel mineral production compared to changes in Nevada gross state product	. 11
Impacts of nonfuel mineral activity on employment and earnings in Nevada	. 14
Taxes paid by the nonfuel mineral industry	. 17
Impact of nonfuel mineral mining on gross state product	. 20
Impacts of nonfuel minerals on the rural counties of Nevada	. 21
Elko County	. 23
Eureka County	. 24
Lander County	
Nye County	. 27
White Pine County	. 28
Conclusion	. 30
Appendix A Methodology	. 31
Appendix B Tables for Nevada and the counties of Elko, Eureka, Lander, Nye, and White Pine	. 33

CHARTS

		Page
1.	Nevada was the leading gold producer in the United States from 1981 to 1986	11
2.	Comparison of changes in nonfuel mineral production to changes in gross state product for Nevada (1982 = 100)	12
3.	Gold and silver's share of Nevada nonfuel mineral employment increased from 1981 to 1986	14
4a.	Cumulative changes in impacts for employment in Nevada due to changes in nonfuel mineral mining between 1981 and 1986	16
4b.	Cumulative changes in impacts for earnings in Nevada due to changes in nonfuel mineral mining between 1981 and 1986	16
5.	Total impact on Nevada gross state product from \$1.00 of gross state product by nonfuel mineral mining	20
6.	Total impacts on employment and earnings from the decline in barite mining from 1981 to 1986 in Elko County	23
7a.	Employment in Eureka County is dependent on gold and silver mining	24
7b.	Gold and silver mining contributes substantially to total earnings in Eureka County	24
8.	Total impacts on earnings from nonfuel mineral mining in Lander County	
9a.	Importance of nonfuel mineral employment to Lander County 1981	26
9b.	Importance of nonfuel mineral employment to Lander County 1986	26

CHARTS

		Page
10.	Employment by type of nonfuel mineral in Nye County 1981 and 1986	27
11.	Value of direct and indirect earnings contributed by nonfuel mining in Nye County 1981 and 1986	27
12.	Direct and indirect earnings from nonfuel mineral mining in White Pine County	28
13a.	. Total impacts on employment from nonfuel minerals in White Pine County 1981	29
13b.	. Total impacts on employment from nonfuel minerals in White Pine County 1986	29
	TABLES	
1.	Comparison of nonfuel mineral production in Nevada	9
2.	Nevada gross state product and production indexes for nonfuel minerals	12
3.	Changes in the composition of Nevada nonfuel mineral employment, excluding mining services	15
4.	Average weekly wage by industry in Nevada, calendar year 1986	. 15
5.	Estimated State and local taxes paid by the nonfuel mineral industries in Nevada	. 18
6.	Mining proceeds plus property tax as a percent of total property revenues, fiscal year 1981-1982	
7.	Direct nonfuel mining employment and earnings as a percent of total employment and earnings for selected counties and Nevada	
8.	Employment and earnings multipliers for all nonfuel mineral industries in Nevada and selected counties	. 22

THE ROLE OF NONFUEL MINERALS IN THE NEVADA STATE ECONOMY AND THE COUNTIES OF ELKO, EUREKA, LANDER, NYE, AND WHITE PINE

By George M. Swisko¹

ABSTRACT

The Bureau of Mines is currently engaged in a program to determine the impacts of changes in the nonfuel mineral industries upon regional economies. As part of this program the Bureau examined the impacts on Nevada and several of its counties resulting from significant changes in nonfuel mineral production between 1981 and 1986. Regional input-output models for Nevada and the counties of Elko, Eureka, Lander, Nye, and White Pine were developed through IMPLAN, the U. S. Forest Service's economic impact model. These models generated multipliers to measure total impacts on employment, earnings, and indirect business taxes.

From 1981 to 1986 gold and silver production in Nevada grew at a faster rate than the total production of all goods and services measured by the gross state product. Other nonfuel mineral production however declined, with direct employment and earnings losses offsetting the employment and earnings gains from increased gold and silver mining. These changes also generated indirect impacts on employment and earnings for other industries, which varied for each region according to population, industrial diversification, and the types of minerals mined. Findings show that several county economies are quite sensitive to changes in nonfuel mineral production.

¹ Regional economist, Division of Policy Analysis, Bureau of Mines, Washington, D. C.

THE COUNTY OF ELSE, RESIDENT PARTY AND THE PERSON A

"reduction are expressed upon

The same

Tail witto the of mentry of it toppers a feweres at the present to present and in a few to the feweres and the feweres are topped and topped an

Prom 1981 to 1986 quid and alluer production in Newsia crow at a ferrar production of all quase and services accounted by the quase state already. Other notices almost production between the direct exployment and servings losses officetring the alluer annual and all recomment and services are considered and all recomment and services are considered in services of the considered and the considered and the considered and the considered and the considered annual and the considered annual annual and the considered and the considered annual annual

I begings econolist, Daviston of Bolicy Amarysia, Dunses of Mires.

INTRODUCTION

The Bureau of Mines, at the request of Congress, developed the capability to measure impacts to regional economies from changes in local nonfuel mineral production. A regional economy covers an area smaller than the nation, such as a state, county, city or town. This report for Nevada and five of its counties is one of the results of this capability. A similar study for Arizona is forthcoming, and in December 1985 the Bureau published a related study for Idaho.

The ability to measure and understand economic impacts at the State, county, and local levels is important in developing comprehensive evaluation criteria for formulating government policy options, which affect the national or international minerals markets. Analysis of these economic impacts must take into account interindustry relationships within regions, because those relationships determine the entire regional responses to changes in the local nonfuel mineral industries. Interindustry relationships are measured through direct and indirect impacts which sum to the total economic impact.

Direct impacts include employment for all mining employees plus proprietors, their earnings, and the business taxes paid by the nonfuel mineral industries. These impacts are estimated from regional data provided by government agencies. Indirect impacts include employment, earnings, and taxes from the activities of local suppliers who sell goods and services to the nonfuel mineral industries and their employees. They also include the impacts from the activities of all other businesses who sell to those suppliers, their employees, and all other suppliers and employees indirectly affected. These impacts can be estimated from regional interindustry (input-output) models.

This study provides detailed impacts on employment and earnings for specific nonfuel minerals in Nevada and several of its counties from 1981 to 1986, a period when gold and silver mining was particularly strong. It is hoped that information concerning these impacts will be useful to policy makers and planners at the Federal, State and local levels of government in developing policies affecting nonfuel mining and mineral development in Nevada.

ACKNOWLEDGMENTS

This report was prepared in the Branch of Economic Analysis, Division of Policy Analysis, under the guidance of Robert L. Adams, Branch Chief, and Stanley Miller, Division Chief. Vickie B. Boesch, economist with the Division of Policy Analysis until June 1987, provided valuable research assistance. Jean Moore and Stephen Hays, mineral data specialists in the Division of Mineral Commodities, diligently compiled and checked production data used in this study. Special acknowledgments are due the Nevada Employment Security Department and the Nevada Department of Taxation for providing essential data for estimating the impacts of specific mining industries.

DODGEOUS STATES

probably to make a process to request of respect the first constant that constant the constant that constant co

The mility to measure and uniorstand occurate at the Statu, and local level level occuration of the Statu, occuration of the Status occuration of the status for furnal axing queensent uplify occurate of the status for furnal or interval interval and particles of the status occurate the court of the status occurate the occurate the occurate the status occurate the status occurate the status occurate the local number of the status of the status of the status of the local number of the status of the stat

planed imports include employment for all mining chalcyses plant or provided provided and provid

realists noninel minerals described impacts on explorated and electrical Corp.

100 percent minerals in Meveds and several of the counties first 100 percent to 1900, a percent when gold and allowed allowed impacts will be useful to policy matters and stampers at the federal, State and lovel levels of communent in developing politics attacting nonium running and mineral development in Mercell.

STREET STREET, STREET,

mis report wis propered to the Trinch of Bronzely Activity, Division of policy analysis, Division the guidence of Botset L. Assas, scarcin Chief, and scanley Miller, Division Chief. Widio B. Bresst, Brosse, Brosses with the Division of Policy Analysis until June 167, provided valuable research analysis of Mineral Committee and Stocker than the providing and the committee alligately committee and content and content of providing assential Committee and content of Mineral Committee and Committee of Committee and Committee of Committee and Committee of Committee and Committee of Committ

NONFUEL MINERAL PRODUCTION IN THE STATE OF NEVADA

From the mid-19th century to the present, mining has been a traditional base of Nevada's economy. Located in one of the richest mineral regions of the Nation, Nevada has recently seen its mining industry far overshadowed by manufacturing, government, and tourist-related services. At the end of 1986, nonfuel mineral employment accounted for only slightly more than 1% of Nevada's total employment and almost 2% of its total earnings, yet Nevada ranked eighth among the states in the value of nonfuel mineral production, was the leading state in the Nation in the production of gold and barite, and was the sole domestic producer of mined magnesite and mercury.

Throughout the eighties the nonfuel mineral industry in Nevada, as elsewhere, experienced changes caused by shifting demand, fluctuating prices, and foreign competition. But in contrast to other regions of the United States, Nevada's total value of nonfuel mineral production increased between 1981 and 1986, growing at an average annual rate of 6% from 1981 to 1985, then increasing 55% between 1985 and 1986.

This seemingly strong performance occurred because of the exceptional growth in gold and silver mining. The quantity of gold produced in 1986 was four times as great as 1981; for silver it was two times as great. With gold and silver removed from production, however, the results are quite different. The total value of other nonfuel minerals declined 27% over the period, due largely to production cutbacks and closures in barite, copper, molybdenum and ferroalloys.

Table 1. - Comparison of Nonfuel Mineral Production in Nevada (Millions of \$)

1981

1986

Total value \$506.7 \$977.3

- Lander		
Total value less gold and		
silver	\$233.5	\$169.3

Minerals with significant production changes

•		
Gold (recoverable content		
of ores, etc., 1000 troy oz.)	524.8	2,098.9
-	\$241.2	\$772.9
Silver (recoverable content		
of ores, etc., 1000 troy oz.)	3,039.0	6,409.0
-	\$32.0	\$35.1
Barite (1,000 short tons)	2,482.0	184.0
preferred on the period beat throat L	\$79.7	\$3.0

Source: Bureau of Mines.

NAMED TO STATE OF REPORT OF PERSONS OF PERSONS

rose the side of streets arrange, to the process, sinked him them to resident manual regions of streets arrange, tourise the ris of the ridgest should be sentled, where her sentled to the source of the source control resident and sentled arranges and control regions and and the source of the rotal sentled arranges and of the source of sou

Transfers, the elektron the narrow descript descript informaty in Nevell, we showed a contract descript description des description description

The sending of the special participants account because of the words into all and produced in the special control of spid produced in the spid produced in the spid produced in the spid participant of spid participants and all the spid of the spid

Showed in an Artistant Descript Indicate to analyze put in all other

ASSE ENDE

E-TOS E-SON MARKET MARK

ten bigs sent auth intellige sent auth intellige sent authorities

Sandthpu also atmosts

SANTON I CHARLE OF STREET

Gold and silver increased the overall performance of Nevada's nonfuel mineral industry for several reasons. Besides favorable prices, three important changes occurred in the production and development stages:²

- 1. new laboratory methods allow cheaper testing of potential ore samples;
- 2. low-cost cyanide "heap leaching" makes possible the profitable recovery of gold and silver from ores which, until very recently, were considered to be uneconomic to process, and
- 3. bullion-backed financing techniques allow companies to move ahead with production on their own, instead of waiting for larger producers to develop their claims.³

The rise in Nevada's gold production, which in 1986 accounted for 56% of total U. S. production, resulted in gold replacing copper as the dominant mineral mined in Nevada. From the 1930's through 1977, copper mining accounted for almost 60% of the State's total mineral output value, employing approximately 1,800 people in 1977. In 1978 production began to decline when the three leading producers shut down because of poor copper market conditions and environmental restrictions. This ultimately led to the closing of Nevada's only primary copper smelter, the Kennecott smelter at McGill, with an estimated direct loss of about 300 jobs. At the end of 1986 less than 50 people were employed by copper mining in Nevada, and in spite of improvements in copper prices during 1987, no increased activity was reported.

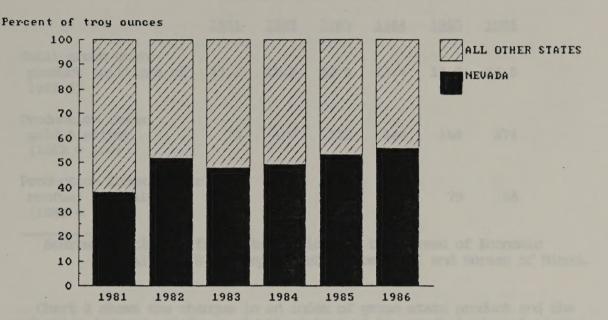
Changes in the nonfuel mineral industries between 1981 and 1986 impacted the Nevada economy through their effects on gross state product, employment, earnings, and indirect business taxes. Furthermore, in spite of some production declines, nonfuel mineral mining remains a significant industry in many rural counties. These changes will now be examined more closely.

²Barrons. Glut in Gold? Oct. 12, 1987, p. 6.

³An official at The Gold Institute in Washington, D. C., gave the following description of this financing. A mining company borrows a fixed amount of gold from a lender (usually a bank or financial company), sells the gold to raise development capital, and once its mine is operational, repays the gold from the mine's own output. These loans are attractive because annual interest rates currently fall between 1.5% and 3.0%, significantly lower than those charged on bank loans or bonds.

the cold to rates development capital, and once the size in operations, receiped the gold from the mine's our catgot. These losses was actractive

Chart 1. NEVADA WAS THE LEADING GOLD PRODUCER IN THE UNITED STATES FROM 1981 TO 1986



Source: Lucas, J. M., Gold. Preprint from BuMines Minerals Yearbook 1986, p. 3.

CHANGES IN NONFUEL MINERAL PRODUCTION COMPARED TO CHANGES IN NEVADA GROSS STATE PRODUCT

To compare the performance of nonfuel mineral mining to the performance of all industries in the Nevada economy between 1981 and 1986, estimates of Nevada's gross state product, adjusted for inflation, were made and compared to indexes of the physical production of nonfuel minerals. See Table 2. Gross state product measures the dollar value of a state's newly produced goods and services that are not resold in any form during the year. Because an increase or decrease in dollar value gross state product may result from price changes, not output changes, economists value the output of any year in terms of prices of a selected year to measure changes in physical output.

⁴This allows economists to derive an estimate of the changes in the amounts of all goods and services produced, e. g., the number of new houses built, the number of restaurant meals served, the number of automobile repairs made, etc.

PERSONAL PROPERTY OF THE PERSON NAMED IN THE



Services between it is a series of the serie

THE PARTY NAMED AND ADDRESS OF THE PARTY OF

performance of all industries in the product adverse product of the product of the performance of the perfor

The course of all goods and newloss produced a good to course of the cou

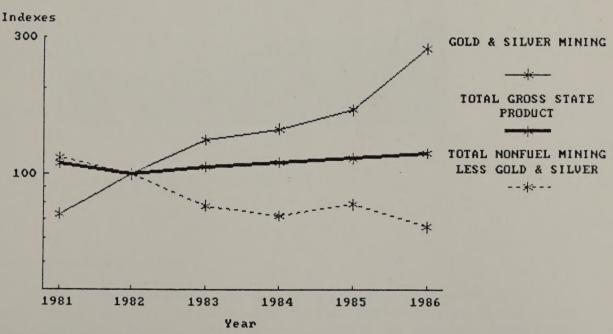
Table 2. - Nevada Gross State Product and Production Indexes for Nonfuel Minerals

	1981	1982	1983	1984	1985	1986
Total gross state product (billions of 1982 \$)	13.2	12.2	12.9	13.4	13.8	14.5
Production index, gold & silver (1982 = 100)	73	100	132	144	168	274
Production index, other nonfuel minerals (1982 = 100)	114	100	78	72	79	66

Source: Estimated from data provided by the Bureau of Economic Analysis, U. S. Department of Commerce, and Bureau of Mines.

Chart 2 shows the changes in an index of gross state product and the production indexes, giving a visual picture of how nonfuel mineral mining behaved in the Nevada economy.

CHART 2. COMPARISON OF CHANGES IN NONFUEL
MINERAL PRODUCTION TO CHANGES IN GROSS STATE
PRODUCT FOR NEVADA (1982 = 100)



Estimated from data provided by the Bureau of Economic Analysis, U. S. Department of Commerce, and the Bureau of Mines

mile 2. - November Court Printed and Printed in Laboratory

THE PER PER 1981 1981 1981

CAN ALL ALL BASE SAIS SAIS SAIS SAND SANDS

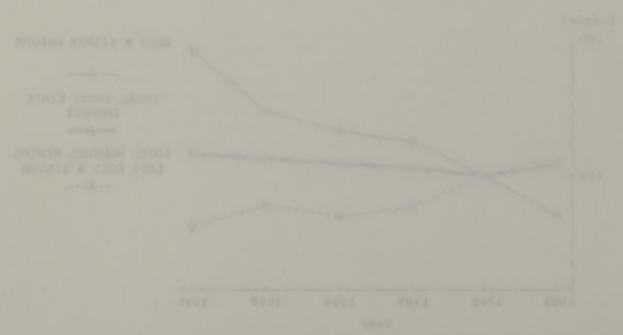
THE REAL PROPERTY AND THE PARTY NAMED IN COLUMN TWO IS NOT THE PARTY OF THE PARTY NAMED IN COLUMN TWO IS NOT THE PARTY NAMED IN COLUMN TWO IS NOT THE PARTY NAMED IN COLUMN TWO IS NOT THE PARTY NAMED IN COLUMN TO PARTY NAM

THE RESERVE AND ADDRESS OF THE PARTY AND THE

Control to make all it believes also ment to make princip

Comment and the contract of th

A DESCRIPTION OF STREET OF STREET, STR



Section to the Section of Sections of Conservations of Co

Since the end of the last recession in 1982, Nevada's gross state product grew at an estimated average annual rate of 4.7% compared to 4.3% for the United States. In terms of its production index, gold and silver mining completely outperformed the Nevada economy from 1981 to 1986, increasing a remarkable 63% between 1985 and 1986. But the production index for other nonfuel minerals dropped sharply between 1981 and 1983, down 32%, and continued declining into 1986.

The production indexes provide stronger measures of actual output and eliminate the influence of price effects. Computing percent changes for the values of production and the production indexes between 1982 and 1986 gives the following results:

	Percent Chang	e 1986-1982
	Value of <u>Production</u>	Production Index
Gold & silver	161	174
Other nonfuel minerals	-24	- 34

Actual production of gold and silver is stronger than indicated by their total value because of the volatility of gold and silver prices. For instance, the average selling price of gold in dollars per ounce in 1986 was \$368.24, 2% less than the \$375.91 in 1982. The results also show that the overall production of the other nonfuel minerals is poorer than indicated by their total value because of differences in price changes versus production changes. For example, the quantity of clays declined 90% between 1982 and 1986, compared to a total value decline of 77%.

Since the end of the last recentor' in 1982, Heredy's quies that of 4.78 coppered to 4.19 product of 4.78 coppered to 4.19 for the production index, quid and silver for the Dalton State of the production index, quid and silver winding completely outperformed the Newsch entropy State of 1985. But the production index of the production described and 1985, and continued dealthalm drawed charged charged pattern until and 1985.

has Justice Lincoln processed personal recommendation of the control of the contr

Percent durings 1946-1942 Value of Production Production Index

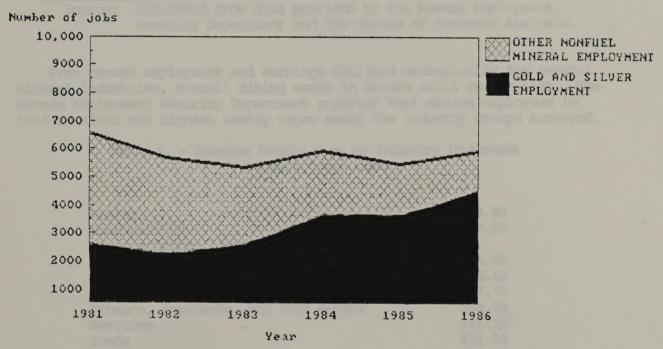
> oliver - 161 17 contour sincerie -24 -2

Actual production of unit and allow of gold or district than indicated by their product their product to the contract of gold and allower prices in the contract of the contra

IMPACTS OF NONFUEL MINERAL ACTIVITY ON EMPLOYMENT AND EARNINGS IN NEVADA

Like production, nonfuel mineral employment and earnings present mixed pictures. Employment in gold and silver mining increased significantly between 1981 and 1986, up 76% to 4,524 jobs from 2,568 in 1981. This offset losses from other nonfuel mineral employment, but not enough to prevent total employment from gradually declining during the period. Gold and silver earnings increased 128% and stood at \$162.7 million in 1986, compared to \$71.3 million in 1981. This offset a 56% decline in total earnings for all other nonfuel minerals, \$44.7 million in 1986 versus \$101.6 million in 1981, and raised total nonfuel mineral earnings to \$207.4 million, 20% above the 1981 figure of \$172.9 million.

CHART 3. GOLD AND SILVER'S SHARE OF NEVADA HONFUEL MINERAL EMPLOYMENT INCREASED FROM 1981 TO 1986



Estimated from data provided by the Nevada Employment Security Department.

⁵Direct nonfuel mineral employment consists of employees and proprietors in metal and normetallic mineral production, including cement and lime manufacturing. Earnings include wages and salaries, proprietors' income, and other labor income, such as employer contributions for all forms of insurance, retirement, and other fringe benefits.

THE PERSON HAS PERSONAL PROPERTY AND PERSONS.

Answer of the contract of the

CHART S. COLD AND VINEAR'S SCARE OF ADDROSE PROPERTY INCREASES.



Collegent Descript Descript to the funda-

Priced sorties in setal and conscious transfer of appropriate of appropriate and production, buttering court and the constitute of appropriate and the constitute of appropriate and the constitute of the constitute and other laters, and other laters of the constitution of laters and other l

Table 3 shows exactly how the boom in gold and silver and the decline in other nonfuel minerals changed the composition of employment between 1981 and 1986.

Table 3. - Changes in the Composition of Nevada Nonfuel Mineral Employment, Excluding Mining Services

<u>Direct Employment</u>	Percent o Nonfuel Mining <u>1981</u>	
Gold and silver mining	39	76
All other metal mining, including copper and ferroalloys Chemical and fertilizer mining	22	2
including barite	15	4
All other nonfuel minerals	24	18

Source: Estimated from data provided by the Nevada Employment Security Department and the Bureau of Economic Analysis.

Even though employment and earnings declined dramatically for several mineral industries, overall mining wages in Nevada still remain high. The Nevada Employment Security Department reported that mining employees in 1986 received the highest weekly wages among the industry groups surveyed.

Table 4. - Average Weekly Wage by Industry in Nevada Calendar Year 1986

Mining	\$593.52
Construction	467.20
Transportation, communication and	
public utilities	446.80
Government	438.42
Manufacturing	417.70
Finance, insurance, and real estate	389.58
Services	336.30
Trade	274.90

The production changes which occurred in Nevada's nonfuel mineral industry produced indirect as well as direct impacts on employment and earnings. Increases or decreases in employment and earnings affect jobs and earnings in other industries which sell goods and services to the mining industries and their employees and proprietors. These other industries and their employees and proprietors in turn purchase

Table 3 stone except one the box him of and alless and the decition of and the decition related to object the object the

Status 5. - Charges to the Crepouts on Standa Harried Market Milesest Reports on Language Milesest Reports on the Company of Company of the Company of Com

the property that the period to be successed to the second to the second

Interes not vilous and had had been primes for the door of the land of the line of the lin

Trace 4. - Average Modelly Mars by Industry to Marsda

57 .003 02.736 51.004 51.005 62.705 62.005 62.005

The restrict to the property of the street with the street of the street

goods and services from more industries. Direct and indirect impacts, determined through input-output analysis, sum to total impacts, from which "multipliers" can be computed showing ratios of the total impacts to direct impacts. The higher the multipliers, the larger the indirect impact. Charts 4a and 4b show the impacts for the cumulative changes in employment and earnings which occurred as a result of State nonfuel mineral industry activities between 1981 and 1986.

CHART 4a. CUMULATIVE CHANGES IN IMPACTS FOR EMPLOYMENT IN NEVADA DUE TO CHANGES IN NONFUEL MINERAL MINING BETHEEN 1981 AND 1986

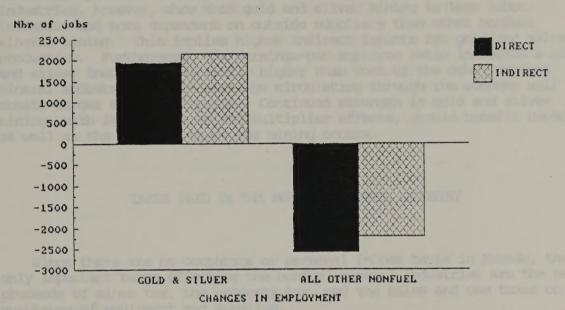
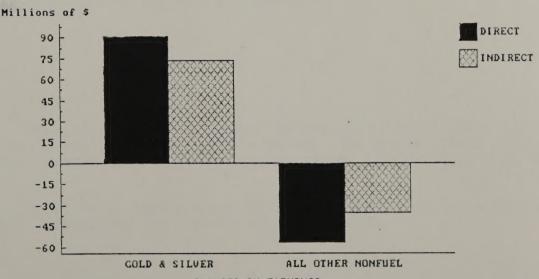


CHART 4b. CUMULATIVE CHANGES IN IMPACTS FOR EARNINGS IN NEVADA DUE TO CHANGES IN NONFUEL MINERAL MINING BETWEEN 1981 AND 1986



CHANGES IN EARNINGS

CHISTOP BY MARKET

The indirect impacts and consequently the total employment and earnings multipliers for gold and silver are slightly larger than those of the other nonfuel minerals. For example, each 100 new jobs in gold and silver mining creates up to 110 other jobs in the Nevada economy, for a total of 210 jobs and a multiplier of 2.1. For a similar number of new jobs in other nonfuel minerals, up to 80 other jobs are created. As for earnings, \$1.00 earned in gold and silver mining creates \$.80 in indirect earnings, while a similar dollar earned in the other mineral industries creates \$.60 in indirect earnings.

It's difficult to completely explain the differences in the size of these multipliers. The input-output table and the Census of Mineral Industries, however, show that gold and silver mining is less labor intensive and more dependent on outside suppliers than other nonfuel mineral mining. This implies higher indirect impacts for gold and silver production. Furthermore, the earnings-per-employee ratio in Nevada's gold and silver industry is generally higher than that of the other nonfuel mineral industries. More earnings circulating through the economy will create larger spending impacts. Continued strength in gold and silver mining, with its high wages and multiplier effects, should benefit Nevada as well as the counties where the mining occurs.

TAXES PAID BY THE NONFUEL MINERAL INDUSTRY

Since there are no corporate or personal income taxes in Nevada, the only important taxes affecting the nonfuel mineral industries are the net proceeds of mines tax, the property tax, and the sales and use taxes on purchases of equipment and supplies.

The net proceeds of mines tax is a local tax on net earnings from the sale of the product of mining operations levied at the local property tax rate. These revenues, along with revenues from the property tax, go entirely to the counties. Table 5 shows estimates of the total taxes paid by the State nonfuel mineral industries for calendar years 1981 through 1986.

To established food off prining and for ether the first of the first o

The state of the control to the state of the

INTER PART BY THE COURTS NUMBER OF THE

cally describe on comparator on narrawal increa the call of the ca

period of the contract of the last leads a fill of each to sharping the offer the last period for the last of the last period of the last of the last period of the contract of the period of the last peri

Table 5. - Estimated State and Local Taxes Paid by the Nonfuel Mineral Industries in Nevada (Millions of \$)

	1981	1982	1983	1984	1985	1986
	1301	1,00	1,00	1301	1703	1,000
Net proceeds of mines	1.9	1.8	4.2	3.2	3.5	6.1
Property taxes	1.2	1.6	3.1	3.4	3.5	3.8
Sales and use taxes	8.3	11.1	21.5	23.8	24.2	26.2
Total	11.4	14.5	28.8	30.4	31.2	36.1

Source: Estimated from data provided by the Nevada Tax Commission.

Taxes payments increased considerably after 1982, due in large part to the strength in gold and silver, with 1986 payments over three times the amount in 1981. The Nevada Bureau of Mines and Geology, in a 1982 study, showed that tax revenues from the mining net proceeds and property tax account for a substantial portion of total property revenue received by the counties analyzed in this report. These portions (17 to 84 percent of property revenue) show the dependence of local governments on mining.

Table 6. - Mining Proceeds Plus Property Tax as a Percent of Total Property Revenues, Fiscal Year 1981-1982

County	Percent
Elko	17
Eureka	76
Lander	84
Nye	35
White Pine	48

Mining taxes received considerable attention in early 1987 when a bill aimed at balancing the State budget was introduced in the Nevada legislature to impose a fee of \$16.50 (later amended to \$11.00) per troy ounce on every ounce of gold extracted in Nevada. After several other proposed companion measures, the legislators and the Nevada Mining Association reached the following agreement:

⁶Dobra, J. L., and G. Atkinson. An Analysis of the Economic Impact of the Mining Industry on Nevada's Economy. The Nevada Mineral Industry 1982. Nevada Bureau of Mines & Geology Special Publication MI-1982, 48 pp.

⁷Epler, Bill. Nevada Mining Tax Fuss Settled-But the Price Was High. Southwestern Pay Dirt for July 1987. p. 22A.

- The state of the

5.85 - 8.18 B.00 C.52 & 8.85 ... Jim 1000

now request in order an address, with 1985 paymoning over three its according to the control of the control of

mule 6. - Mining Process Plus Process to a to a mark is a described of Total vector viewence, Fiscal vect UP1-1932

Fild a tody FET () Tes or detricted a considerant particular possession of the considerant particular particu

from consultation of the production of the consultation of the con

Testors Bills, me als under Tox France Sale Laborator Wind Price Was

- 1. Nevada gold producers agreed to pay the State a \$10.0 million "accelerated" payment on their anticipated net proceeds of mines tax in 1987, and a \$10.5 million "prepayment" in 1989 on a new tax schedule outlined under a proposed constitutional amendment,
- 2. the mining industry as a whole volunteered to prepay its estimated net proceeds tax for the 1987 calendar year, and
- 3. a bill signed by the Governor would amend the State constitution, after legislative and voter approval, to increase the net proceeds tax on mines, and for the first time, allow revenue from this tax to flow to the State.

If the original severance tax on gold or some of the companion measures had been adopted, several mining operations threatened to shut down, adversely affecting some of the rural economies in Nevada. Such shutdowns, as will be seen, would have had a multiplier effect on employment and earnings throughout the counties and the State.

and and these theory agreement of the format this first the first and the contract of the first the first

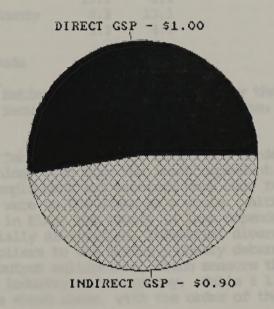
SHEET THE THE THE THE THE PART AND PARTY.

THE OF SHARES OF THE SECOND PROPERTY OF SHARES AND THE SHARES AND

IMPACT OF NONFUEL MINERAL MINING ON GROSS STATE PRODUCT

The nonfuel mineral industry, as part of the Nevada economy, contributes directly and indirectly to total gross state product, i.e., the market value of new goods and services produced by labor and property supplied by the residents of Nevada. While gross state product for nonfuel minerals will fluctuate because of commodity prices and business cycles, it is estimated that each \$1.00 of gross state product from the nonfuel mineral industry adds a total of \$.90 indirectly from other Nevada industries which sell to the mining industries, its employees and proprietors, and all other suppliers and employees indirectly affected.

CHART 5. TOTAL IMPACT ON NEVADA GROSS STATE PRODUCT FROM \$1.00 OF GROSS STATE PRODUCT BY NONFUEL MINERAL MINING



TOTAL CONTRIBUTION TO GROSS STATE PRODUCT - \$1.90

THE R. P. LEWIS P. LEWIS SERVINE SERVINE AND POPULAR AND PERSONS.

-6

The rest of the could be designed by the part of the state of the state of the could be could be a state of the could be state of th

PERSON THE PROPERTY AND SHORT OF THE PERSON OF THE PERSON

DOLLEY - 430 TORRED



ot. 27 - FOREST STREET

IMPACTS OF NONFUEL MINERALS ON THE RURAL COUNTIES OF NEVADA

If other industries in Nevada overshadow mining at the state level, just the opposite is often true at the county level. In some rural areas mining is the key industry, often determining the economic structures of counties and their towns. Table 7 shows the dependence of employment and earnings on nonfuel minerals for some of the largest mining counties in Nevada.

Table 7. - Direct Nonfuel Mining Employment and Earnings as a Percent of Total Employment and Earnings for Selected Counties and Nevada

	Emplo	yment	Earni	ings
Region	1981	1986	<u>1981</u>	1986
Eureka County	45.0	61.5	65.7	78.7
Lander County	37.5	35.6	53.9	61.0
Nye County	15.3	8.2	18.2	10.1
White Pine County	8.2	13.1	11.7	27.2
Elko County	5.3	4.4	9.0	8.5
			Class Chales	
State of Nevada	1.3	1.0	2.1	1.8

Source: Estimated from data provided by the Nevada Employment Security Department and the Bureau of Economic Analysis.

A glance at Table 7 shows that Eureka and Lander counties are the most dependent on mining, with Elko the least dependent. Yet in 1986 Elko's nonfuel mining employment and earnings were over four times more important to it than they were to the State as a whole. Although mining affects many businesses in Elko, the county is less dependent on mining because it is more industrially diversified. Industrial diversification and the location of suppliers to the mining industry determine the size of regional input-output multipliers, which measure the total impacts of the nonfuel mineral industry on an economy. Table 8 lists such multipliers for the counties shown above, with the order of the regions reversed.

ADDRESS OF RESIDENCE OF THE REAL OF THE PARTY OF PERSONS OF PERSONS

If other interesting in stored overcomments winders at the state level and the state level areas and the state of the stat

to the speciment has described pointed foreign to the transfer for the state of the described foreign foreign

directed and the state of the s

A question of the solution of the line of the solution of the

Table 8. - Employment and Earnings Multipliers for All Nonfuel
Mineral Industries in Nevada and Selected Counties

Region	Employment	<u>Earnings</u>
State of Nevada	2.0	1.8
Elko County White Pine County Nye County Lander County Eureka County	1.6 1.6 1.3 1.3	1.4 1.4 1.2 1.2

The Nevada multipliers are larger than those of the counties because multipliers measure the "ripple" effect on employment and earnings for other businesses due to the presence of mining in the region. The more industries in a region from which mining companies and its employees and proprietors purchase goods and services, the more businesses they impact. Since Nevada is a larger and more diversified region than each of the counties, the "ripple" effect travels further than it would in Elko or Eureka.

The companies and employees in the counties with relatively low multipliers purchase many goods and services from outside the counties. But mining generates such large direct employment and earnings impacts, that some local economies would face catastrophic consequences if mining shut down. For counties with larger multipliers, their size determines the impacts. In Elko and White Pine counties, every 10 nonfuel mining jobs creates up to 6 jobs in other industries. Every \$10.00 earned creates up to \$4.00 in earnings for employees and proprietors in other industries in the counties.

Over the 1981-1986 period, these five counties gained or lost jobs and earnings depending on the types of nonfuel minerals produced. The following brief analyses will show how changes in the minerals mined affected each county.

rathe S. - Exployment and Strading State Spring for All Northell Strategies of Scientist Department Industrial in Second and Scientist Counties

	Tenion ,

The second and the way of the state of the second and countries and annual are not specified and annual and second and applicant on applicant of the second and the second

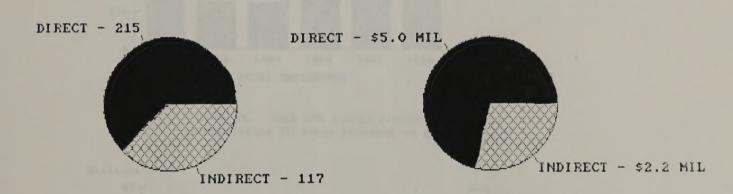
The contract of the contract o

the and the limited on the section of the section o

ELKO COUNTY

Nonfuel mineral employment in Elko, an industrially well-diversified county, shifted for two major mining industries between 1981 and 1986. Employment in gold and silver mining jumped 77%, from an estimated 317 jobs in 1981 to 562 at the end of 1986. But employment in barite mining declined 94%, with about 215 jobs lost. These changes netted a gain of only 30 jobs. Production of barite, which is used in drilling muds, dropped sharply because of the slump in oil and gas well drilling. Chart 6 shows the total impacts on Elko county resulting from the decline in barite production over the five-year period. If barite mining should recover, it is estimated 10 new jobs could create up to 6 jobs in other industries.

CHART 6. TOTAL IMPACTS ON EMPLOYMENT AND
EARNINGS FROM THE DECLINE IN BARITE MINING FROM
1981 TO 1986 IN ELKO COUNTY



LOST EMPLOYMENT

LOST EARNINGS

YELKO OUR

Description of the Aller and t

HOST DECEMBER TYPINGS HE SHELDER THE HOST SCHOOLS

RIBECT - 12.0 HIL

VII - TOTSTOLE

21114

Continue 1900

EUREKA COUNTY

Not only is the nonfuel mineral industry the largest employer in Eureka, it is dominated almost entirely by gold and silver mining. Total county employment grew about 57% during the period, mostly because of some 441 new high-paying jobs in gold and silver mining. Charts 7a and 7b show the impact of mining to the county economy over this period. Because Eureka is so dependent on mining, any setbacks in gold and silver will clearly have adverse effects on the local economy.

CHART 7a. EMPLOYMENT IN EUREKA COUNTY IS
DEPENDENT ON GOLD AND SILVER MINING

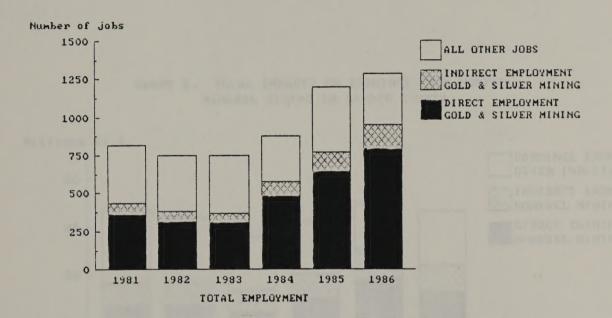
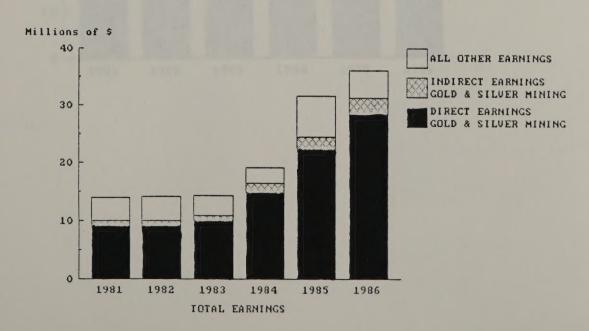


CHART 75. GOLD AND SILVER MINING CONTRIBUTES SUBSTANTIALLY TO TOTAL EARNINGS IN EUREKA COUNTY



VIVERO PERSON

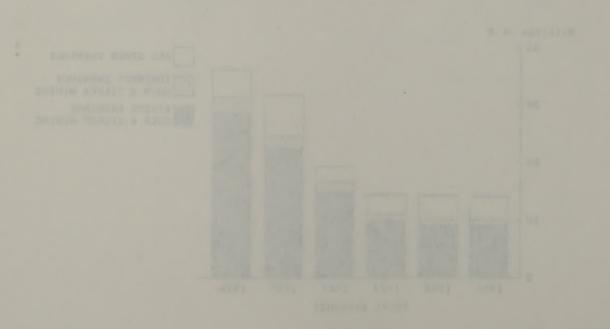
- 6

The colly is the medical already in cold ind colly in the period, which is the colly in the coll in the col

THE PERSON NAMED IN TAXABLE OF PERSONS IN



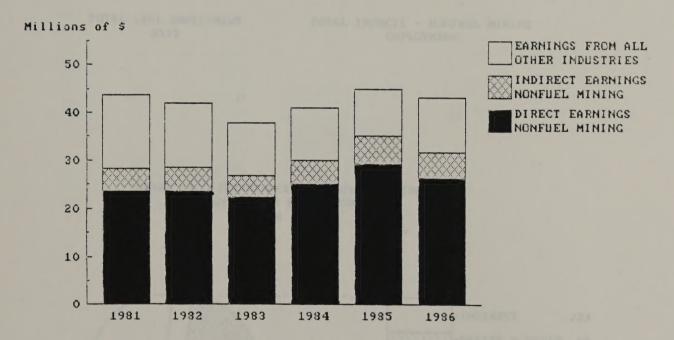
PRODUCE STREET SPECIAL PROPERTY AND ADDRESS OF THE PARTY AND ADDRESS OF



LANDER COUNTY

Like Eureka, Lander is also not diversified and relies heavily on mining. The importance of mining is shown in Charts 8 and 9a and b. For 1981 and 1986 almost 50% of the work force was directly and indirectly affected by nonfuel mining. More importantly, Chart 8 shows earnings directly and indirectly related to nonfuel minerals accounted for substantial portions of total county earnings, ranging from 65% in 1981 to 78% in 1985. Employment in Lander declined for most industries, including mining, during the 1981-1986 period, because employment increases in gold and silver were unable to offset losses from a slumping barite industry and the shutdown of copper mining.

CHART 8. TOTAL IMPACTS ON EARNINGS FROM NONFUEL MINERAL MINING IN LANDER COUNTY



THE CO. STREET,

Adding the importance of mining is discussived and relies beauty on the state of th

CHART S. TOTAL IMPACTS ON EMBELS STEEL ASSESSED.

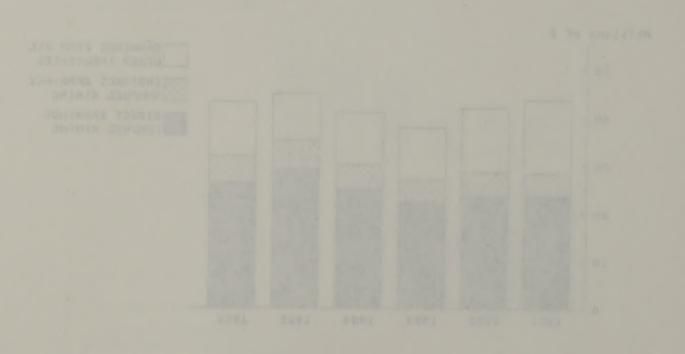
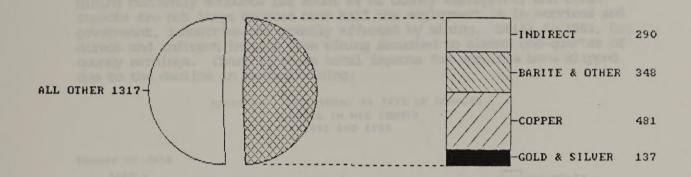


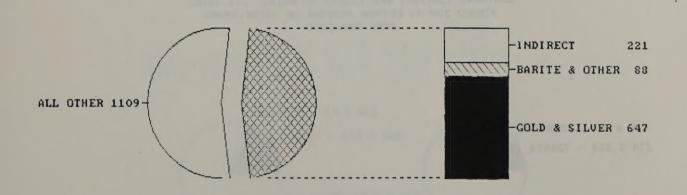
CHART 9a. IMPORTANCE OF NONFUEL MINERAL EMPLOYMENT TO LANDER COUNTY 1981



2573

TOTAL 1981 EMPLOYMENT TOTAL IMPACTS - NONFUEL MINING EMPLOYMENT

CHART 9b. IMPORTANCE OF NONFUEL MINERAL EMPLOYMENT TO LANDER COUNTY 1986



TOTAL 1986 EMPLOYMENT 2065

TOTAL IMPACTS - NONFUEL MINING EMPLOYMENT

COLUMN TO SERVICE DE COURSE CO

THE REAL PROPERTY AND PERSONS AND PERSONS

DESCRIPTION - STORES ASSESSMENT A

THE PARTY OF THE PARTY.

- 8

STREET TO STREET AND STREET

THE PERSON A REST OF THE PARTY AND THE PARTY

SANDLIN TELESCOPE - SESSON TVEST

THE PERSON NAMED AND POST OFFICE ADDRESS OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAME

NYE COUNTY

As with other regions of Nevada, gold and silver employment increased dramatically while other mining employment declined. In 1981 gold and silver jobs in Nye stood at about 386, or approximately 28% of total nonfuel mining employment. In 1986 gold and silver climbed to 680 jobs, or 76% of the total. These new jobs in gold and silver were not enough to offset job losses in other mining, and 1986 total nonfuel mining employment averaged 895, down 35% from the average 1,384 in 1981. Nonfuel mining currently accounts for about 8% of county employment, and total impacts are not large because over half the employment is in services and government, industries not greatly affected by mining. Still in 1981, the direct and indirect impacts from mining amounted to almost one-quarter of county earnings. Chart 11 shows total impacts for earnings have slipped due to the decline in nonfuel mining.

CHART TO: EMPLOYMENT BY TYPE OF NONFUEL MINERAL IN MYE COUNTY 1981 AND 1986

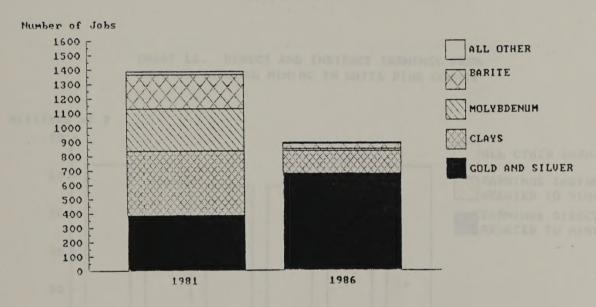
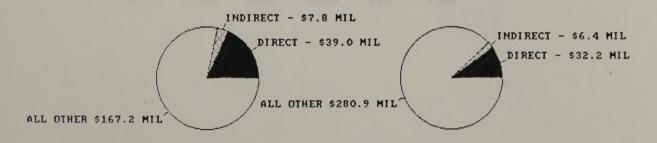
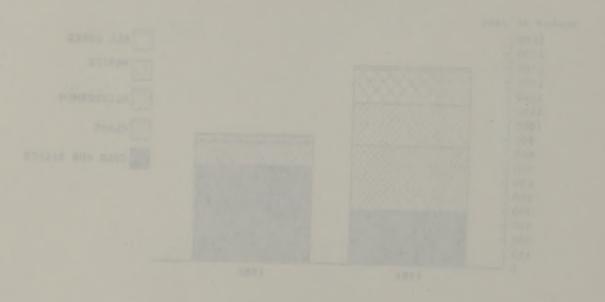


CHART 11. VALUE OF DIRECT AND INDIRECT EARNINGS
CONTRIBUTED BY NONFUEL MINING IN NYE COUNTY
1981 AND 1986



to the court of th

STREET THE MILITARY OF THE PERSON NAMED AND THE PER



VANDO THE REPORT OF PARTY OF STREET, SAME

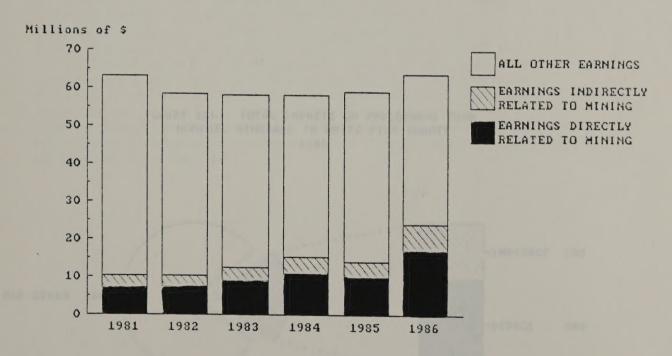
STATE OF TAXABLE PARTY AND PERSON.

PRINCIPLE VALUE AND ADDRESS OF THE PARTY NAMED AND ADDRESS OF

WHITE PINE COUNTY

Employment in most industries in White Pine declined during the 1981-1986 period. Total employment, which stood at 4,255 in 1981, dropped 14% to 3,652 in 1986. About half this decline can be attributed to the direct loss of some 310 jobs during the period from the shutdown of the Kennecott primary copper smelter at McGill. It is estimated up to 280 other county jobs were indirectly lost. After a sharp decline in 1982, nonfuel mining employment, dominated by gold and silver, picked up and stood at 480 jobs at the end of 1986, compared to 350 for 1981. For 1986, gold and silver accounted for 96% of nonfuel mining employment, compared to 87% in 1981. Services and government, which are not greatly affected by mining, account for about 45% of total county employment.

CHART 12. DIRECT AND INDIRECT EARNINGS FROM NONFUEL MINERAL MINING IN WHITE PINE COUNTY



WILLIE STATE COMMISS

Designation bening and antiquent, about the state of the first designation of the company of the

Diese Al. Direct and Division Country Days

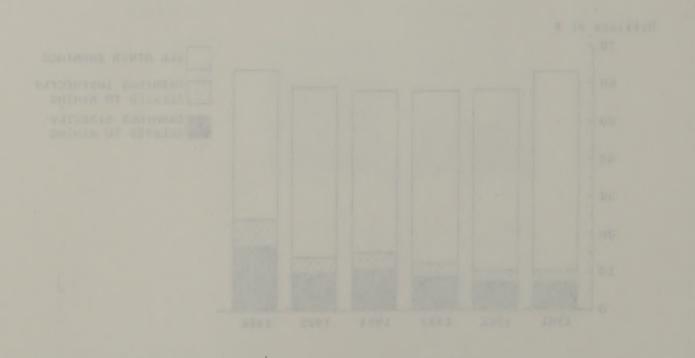


CHART 13a. TOTAL IMPACTS ON EMPLOYMENT FROM NONFUEL MINERALS IN WHITE PINE COUNTY 1981

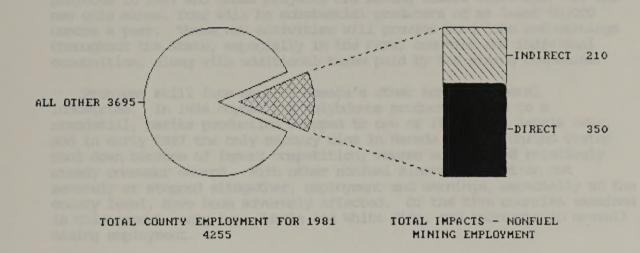
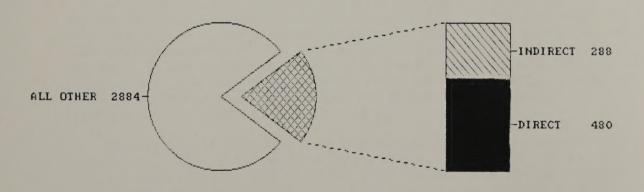


CHART 13b. TOTAL IMPACTS ON EMPLOYMENT FROM NONFUEL MINERALS IN WHITE PINE COUNTY 1986



TOTAL COUNTY EMPLOYMENT FOR 1986 3652

TOTAL IMPACTS - NONFUEL MINING EMPLOYMENT

NOW! THE PARTY OF PERSONS AND THE PARTY OF PERSONS AND PERSONS ASSESSED.

The same of the sa

THE PARTY OF THE P

THE R. P. LEWIS CO., LANS. LAST, LAS

-0

THE RESERVE AND STREET AS A STATE OF THE PARTY OF THE PAR



THE PERSON NAMED IN COLUMN

STATE OF THE PERSON NAMED AND PARTY.

CONCLUSION

Gold production in Nevada increased dramatically between 1981 and 1986 with production and exploration continuing to expand. Decisions to initiate production were announced for twelve new Nevada gold mine projects in 1987 and these projects are moving toward start-ups. Of the new gold mines, four will be substantial producers of at least 50,000 ounces a year. These new activities will provide more jobs and earnings throughout the State, especially in the rural counties and individual communities, along with additional taxes paid by the mining companies.

Problems still face many of Nevada's other nonfuel mineral industries. In 1986 copper and molybdenum production came to a standstill, barite production dropped to one of its lowest levels ever, and in early 1987 the only mercury mine in Nevada and the United States shut down because of import competition, excess supply, and relatively steady consumer demand. With other nonfuel mineral production cut severely or stopped altogether, employment and earnings, especially at the county level, have been adversely affected. Of the five counties examined in this report, only two, Eureka and White Pine, saw increases in overall mining employment.

Producing nonfuel minerals now means adjusting to competitive world markets, uncertain demand, and increasing regulatory costs. Faced with such an environment, nonfuel mineral producers are cutting costs and increasing productivity by reducing labor and adopting new and cheaper technology to produce mineral products. Much of the success enjoyed by Nevada's gold and silver industry is due to the "heap leaching" technology, and while employment has increased considerably, output and consequently productivity have increased even more. A more capital-intensive nonfuel mineral industry will not necessarily result in significant increases in mining jobs, and direct employment increases may be lower than in the past.

remarks to the trees.

Indicate and the court of threath a color control of the color of the

Control of the control of control

APPENDIX A. - METHODOLOGY

Any developed economy, whether national or regional, is characterized by a high degree of interdependence among producing sectors of the economy. Each sector not only produces goods or services but is also a consumer itself, purchasing other goods and services for use in its production process. An input-output matrix quantifies these relationships by specifying the output of each sector and the labor, material, and service inputs needed to produce that output. Once an economy is so described, production changes in any sector can be traced through the matrix to determine the impact of such changes on all other economic sectors.

The construction and use of input-output models require some simplifying assumptions which may affect the analysis of results. A key premise is that inputs are used by industries in fixed proportions. This assumption of linearity does not allow for factor substitution or economies of scale. Further, all inputs are assumed to be available as expansion occurs. Though these restrictions may not be met in a rapidly changing economy, in most cases changes in production technology are slow enough that analysis using input-output techniques provides reasonable results.

The input-output model used in this report is the IMPIAN model developed by the U. S. Forest Service. IMPIAN uses specific regional or local economic data in conjunction with the production technology represented in the national input-output table prepared by the Bureau of Economic Analysis, U. S. Department of Commerce, to generate a regional input-output matrix for the area under study. This regional model provides estimates of output, income and employment for all industrial sectors in the region (up to 466 sectors); purchases of inputs by each producing sector from other sectors both within and outside the region; and purchases of final goods and services by individuals, businesses, and government, both within and outside the region.

Once the regional input-output table is created, it can be manipulated mathematically to generate output, income and employment multipliers. By applying these multipliers to an initial change in one or more industrial sectors, the total economic impact on the region can be estimated as the effects of the initial change ripple through the rest of the economy. The ability to estimate these total impacts for a large number of economic sectors comprises the unique contribution of input-output analysis to economic theory.

Preparation of this report on the contribution of the mineral industry to Nevada involved three major steps. First, the regional industry data provided by the IMPIAN model needed to be checked against similar data from other sources for accuracy and consistency, thus ensuring the calculation of reasonable multipliers. Data corresponding to the IMPIAN data is available from the economic censuses and other reports published by the Census bureau. Next, mineral industry data for Nevada from 1981 to 1986 were collected and analyzed, resulting in estimates of recent direct impacts of minerals to the State economy. The multipliers were then applied to the estimated direct impacts to determine the estimated total impacts.

And described the second of the second control of the second of the second of the second of the second described the second of the second described the second of the second training second of the second training second of the second second described the second training the second described the second training the second training to second the second training the second training the second second training the second second

The appropriate and the second of the contract to any property of results. A bit attends of results are not to the contract of results. A bit attends of the contract of the c

The input on the first of the seast in this report is the NOTAN model or least on the first replant or least or the first replant of the seast of th

does the continued instructional instruction to content, income and exployment entraphics, so an exployment entraphics, so an indicate the content of the co

Instanting to Horsele involved three sajes obeque. First, the replant in instanting to Horsele involved three sajes obeque. First, the replant to instanting the content of the content of

Data for the years 1981 to 1986 came from a variety of sources, including Bureau of Mines commodity specialists, the Nevada Employment Security Department, the Nevada Department of Taxation, the Bureau of Economic Analysis, and the Bureau of Census. These data were often collected at a higher level of aggregation than desired for this report or were withheld to maintain individual company confidentially. Thus, many values had to be estimated.

The Bureau of Economic Analysis provided total mining industry employment and earnings data for 1981 to 1986 which are consistent with similar IMPIAN data. Allocation of these employment and earnings totals to specific kinds of mining was based primarily on employment detail provided by the Nevada Employment Security Department. Total gross state product (GSP) for Nevada was estimated by developing U. S. ratios of gross national product (GNP) by industry to compensation by industry and applying these ratios to earnings by industry for Nevada obtained from the Bureau of Economic Analysis. GSP for the nonfuel minerals was estimated separately, and certain components such as corporate profits before taxes, capital consumption allowances, and net interest were estimated from relations developed from financial data in company reports for several mining and metals companies. The production indexes were estimated from Bureau of Mines production data and weighted by estimates of compensation and employment attributed to the mining industries producing the minerals. For this procedure the mining industries were classified by the three-digit U. S. Standard Industrial Classification.

The latest U. S. input-output table currently available is based on 1977 economic data and depicts current account expenditures. It does not measure investment in plant and equipment which results in technological improvements in mineral production. The input-output production functions in this report describe current purchases of goods and services from other industries which are needed in the production process. Furthermore, multipliers derived from these production functions include direct and indirect purchases of goods and services needed by employees of the industries affected. While technological changes and shifts in consumer preferences may alter purchase patterns for some goods and services over time, multipliers generated from the 1977 input-output table are still assumed to be reasonable reflections of each mining industry's purchases and importance to other industries in the economy.

The state of the s

The provided at a trial town various currently executed in the decoration of the control of the control of the control of the current and the

APPENDIX B. - TABLES FOR NEVADA AND THE COUNTIES OF ELKO, EUREKA, LANDER, NYE, AND WHITE PINE

This appendix contains several tables for Nevada and the five counties analyzed. Table 1 shows nonfuel mineral production for Nevada compiled by the Bureau of Mines, while the remaining tables show employment and earnings by major industry and the total economic impacts.

The Bureau of Economic Analysis (BEA), U. S. Department of Commerce, provided the tables showing full-time and part-time employment and earnings by major industry. These tables are shown in a manner consistent with BEA's presentation. For the State of Nevada, the only industry levels published for nonfuel mining are total metal mining and total nonmetallic minerals, except fuels. For the counties, only total mining (nonfuel plus fuel) is published.

For some years BEA withheld mining employment and earnings data. In Table 2, for instance, 1982 total employment for metal mining was withheld. Since BEA only withheld such industry data for either a single year or two years, estimates could easily be interpolated or extrapolated. Employment and earnings for a specific industry, such as gold and silver mining, were estimated from information provided by the Nevada Employment Security Department.

The tables showing total impacts are based on calculations from the input-output models developed from the U. S. Forest Service's regional economic impact model, IMPIAN. The indirect and total impacts are, for the most part, estimates and should be interpreted with caution.

DETERMINED BY GREATH AND REAL PROPERTY.

The state of the plant of solds and the state of the sold of the s

The function of Economic Analysis (NEW), U. S. Hoperbooks of Corrector, of Corrector, and provided in a market and consideration and particular to the first of the constant o

The few pures 20% efficients and analogs deta. In the set of the s

The tables showing bates investes are based on calculations from the imperation of the calculations of the calculations of the calculations and the calculations are the calculations and thought the calculations and thought be improved with caucian.

Table 1. - Nonfuel Mineral Production in Nevada 1/
(Millions of \$)

			(4111100	5 01 >)		
	1981	1982	1983	1984	1985	1986
Barite (thousand s.t.)	2,482 \$79.7	1,575 \$52.7	663 \$21.7	615 \$14.9	590 \$10.9	184 \$3.0
Clays 2/ (thousand s.t.)	73 \$2.9	103 \$2.6	58 \$2.3	20 \$1.2	80 \$3.8	10 \$0.6
Gem stones	NA \$1.0	NA \$1.2	NA \$1.2	NA \$1.3	NA \$1.3	NA \$0.2
Gold (recoverable content of ores, etc., thousand troy ounces)	524.8	757.1	e 960.7	1,020.5	1,276.1	2,098.9
chousand croy dunces;	\$241.2	\$284.6	\$407.3	\$368.1	\$405.4	\$772.9
Gypsum (thousand s.t.)	778 \$6.9	656 \$4.5	998 \$7.9	1,192 \$8.9	1,207 \$8.9	1,236 \$8.2
Iron ore (thousand long tons)	99 \$1.5	77 \$1.1	W	N	W	N
Lead (recoverable content of ores, etc., metric tons)	W	W	14 N	W	L	H
Mercury (76-1b flasks)	27,819 \$11.5	25,760 W	25,070 W	19,048 W	16,530 W	W
Sand and gravel Construction (thousand s.t.)	7,065 \$15.8	6,027 \$11.7	7,500 \$16.2	8,202 \$20.5	9,500 \$24.9	12,197 \$35.7
Industrial (thousand s.t.)	W	W	W	489 W	479 N	518 W
Silver (recoverable content of ores, etc., thousand troy ounces)	3,039	3,142	5,179	6,477	4,947	6,409
	\$32.0	\$25.0	\$59.3	\$52.7	\$30.4	\$35.1
Stone, crushed (thousand s.t.)	1,343 \$5.7	1,300	1,269	1,100 \$4.7	1,334	1,500 \$7.0
Zinc (recoverable content of ores, etc.)	N	1	er tel	milia	r 30 m	mali'
All other nonfuel minerals (value only) 3/	\$108.5	\$144.4	\$111.2	\$151.8	\$139.2	\$114.6
Total	\$506.7	\$532.5	\$632.5	\$624.1	\$631.0	\$977.3
Total excl gold and silver	\$233.5	\$222.9	\$165.9	\$203.3	\$195.1	\$169.3

Source: Bureau of Mines.

NA Not Available. s.t. Short tons. W Withheld to avoid disclosing company proprietary data; value included with value for all other nonfuel minerals.

L Less than 1/2 unit.

^{1/} Production as measured by mine shipments, sales, or marketable production (including consumption by producers).

^{2/} Excludes certain clays; value included with the value for all other nonfuel minerals.

^{3/} Combined value of cement (portland), clays (fuller's earth and kaolin), copper, diatomite, fluorspar, iron ore (usable), lime, lithium compounds, magnesite, molybdenum, perlite, salt, and values indicated by symbol W.

			8:69			
			8.61	. <i>t</i> 3	6.1	
	1.275.1	6.036.1	2:0.7	1.501		
	1.007					(1908 100
	0.10					
	{}					
	ť					
	d	c				
		£15.				
*						
	0.000	765.n 1.800			7.223	
	r:a.				6,	
					ť.	
£06 .d	F100 C	(T0.3)			1.650	
1.880	F. 020	6				The state of the s
						The Property
				(00)		
	8.40					
	,					
8.8118	6.6515	6 (619				
1677.3						
6.6610						

print reality or common printing area of them in the part of the columns of the state of the columns of the state of the s

Action is again attended to the organization of

And the latter of the latter o

A framework of the of posted applicating of the profession and had nothing account of the contract of the cont

Table 2. - Full-time and part-time employment by major industry for Nevada 1/

	1981	1982	1983	1984	1985	1986
Total	494,481	487,833	493,953	522,342	546,318	574,180
Farm	6,058	5,677	5,551	5,275	5,035	5,302
Nonfarm 2/ Agric serv, forestry, fisheries, & other3/	2,594	2,647	1		3,574	3,854
Mining Coal mining	8,315	7,196	0	D	6,580 D	6,864 D
Oil and gas extraction Metal mining	877 5,206	D e4,400	527 4,351	D 4,993	D 4,445	D 5,182
Gold and silver e/ Nonmetallic minerals, except fuels	2,568 2,232	2,246 e2,000	2,597 1,548	3,659 1,525	3,627 1,430	4,524 1,171
Chem & fertilizers, incl barite e/	1,009	889	526	487	526	266
Construction Manufacturing	30,222 21,059	25,232 19,811	25,088 20,219	28,113 22,218	30,246 23,190	
Transportation and public utilities Wholesale trade	26,289 14,767	26,097 14,388	25,965 14,381	26,831 15,471	27,290 16,526	28,773
Retail trade	79,386	76,346	76,354	81,142	84,974	87,980
Finance, insurance, and real estate Services	32,424 201,707	32,364 204,943	33,401 209,626	36,426 222,707	39,344 235,382	41,616 248,855
Hotels and other lodging places	65,245	64,472	67,247	81,635	99,881	104,331
Government and government enterprises Federal, civilian	71,660 9,683	73,132 9,872	74,014 9,857	73,737	74,177 10,555	75,450 10,912
Military State and local	12,860 49,117	13,538 49,722	14,636 49,521	13,699 49,886	13,083 50,539	13,134 51,404

Source: Bureau of Economic Analysis, U. S. Department of Commerce.

^{1/} Based on 1972 U.S. Standard Industrial Classification.
Includes wage and salary employees plus proprietors.

^{2/} Excludes limited partners.

^{3/} Other -- Number of jobs held by U.S. residents working for international organizations in the U.S.

D Not shown to avoid disclosure of confidential information.

e Estimated by the author from data provided by the Nevada
Employment Security Department. Actual figures either not available or withheld
by the Bureau of Economic Analysis.

to start the first time and territors and translate or the sector of the Sector of

below Smean of transmit Indigets, S. Separates of Countries of Landidgeties by June 1977 by Sandard School Countries of Co

District Street of the Park of

To the first and the court of the part of the court of th

charge of the second state of the second state

Maddie to platform The matter network lawled . Secretary by the contract of

Table 3	Full-time a	and part-time	employment by	major industry	for Elko Count	y. Nevada 1/
---------	-------------	---------------	---------------	----------------	----------------	--------------

rable o rull olme and paro-olme e	1981	1982	1983	1984	e/ 1985	e/ 1986
Total	11,291	11,342	11,650	212,658	13,145	13,265
Farm	798	774	729	703	NA	NA
Nonfarm 2/						
Agric serv, forestry, fisheries, & other3/	63	75	80	86	NA	NA
Mining	748	826	687	798	809	742
Nonfuel mining e/	598	611	475	519	560	580
Gold and silver e/	317	379	408	462	487	562
Chem & fertilizers, incl barite e/	228	214	55	40	30	13
Construction	755	625	525	671	NA	NA
Manufacturing	227	203	210	192	NA	NA
Transportation and public utilities	787	748	748	776	NA	NA
Wholesale trade	250	248	280	309	NA	NA
Retail trade	1,607	1,552	1,519	1,606	NA	NA
Finance, insurance, and real estate	475	458	493	540	NA	NA
Services	3,683	3,982	4,465	4,935	NA	NA
Government and government enterprises	1,898	1,851	1,914	2,042	NA	NA
	331	308	312	380	NA.	NA
Federal, civilian					-	
Military	92	56	64	63	NA	NA
State and local	1,475	1,487	1,538	1,599	NA	NA

Source: Bureau of Economic Analysis. U. S. Department of Commerce

^{1/} Based on 1972 U.S. Standard Industrial Classification. Includes wage and salary employees plus proprietors.

^{2/} Excludes limited partners.

^{3/} Other -- Number of jobs held by U.S. residents working for international organizations in the U.S.

e Estimated by the author from data provided by the Nevada Employment Security Department.

NA Not available

The state of the condition of the state of t

STATE OF THE SAME OF

All of the state o

South September

	Table 4	Full-time and	part-time	employment	by	major	industry	for	Eureka	County,	Nevada	1/
--	---------	---------------	-----------	------------	----	-------	----------	-----	--------	---------	--------	----

	1981	1982	1983	1984	e/ 1985	e/ 1986
Total	820	750	749	878	1200	1285
Farm Nonfarm 2/	163	158	148	143	NA	NA
Agric serv, forestry, fisheries, & other3/	L	L	L	L	NA	NA
Mining	394	e 349	e 312	485	671	798
Nonfuel mining e/	366	318	307	480	642	790
Gold and silver e/	346	307	299	470	619	787
Construction	D	D	D	L	NA	NA
Manufacturing	L	L	L	L	NA	NA
Transportation and public utilities	D	L	L	L	NA	NA
Wholesale trade	L	L	L	L	NA	NA
Retail trade	80	61	64	69	NA	NA
Finance, insurance, and real estate	L	D	L	L	NA	NA
Services	24	26	32	29	NA	NA
Government and government enterprises	109	127	124	126	NA	NA
Federal, civilian	L	L	L	L	NA	NA
Military	Ī.	L	I.	L	NA	NA
State and local	100	114	113	114	NA	NA

Source: Bureau of Economic Analysis, U. S. Department of Commerce.

^{1/} Based on 1972 U.S. Standard Industrial Classification. Includes wage and salary employees plus proprietors.

^{2/} Excludes limited partners.

^{3/} Other -- Number of jobs held by U.S. residents working for international organizations in the U.S.

D Not shown to avoid disclosure of confidential information.

L Less than 10 jobs.

e Estimated by the author from data provided by the Nevada Employment Security Department.

NA Not available

FORGOTA TO Secretario C. C. Alexandra d'accest d

Personal plants are an express and and extend of the formation

Table 5. - Full-time and part-time employment by major industry for Lander County, Nevada 1/

	1981	1982	1983	1984	e/ 1985	e/ 1986
Total	2,573	2,316	2,048	2,128	2,154	2,065
Farm	137	132	123	119	NA	NA
Nonfarm 2/						
Agric serv, forestry, fisheries, & other3/	13	D	D	D	NA	NA
Mining	1,164	1,035	813	843	859	745
Nonfuel Mining e/	966	880	748	809	840	735
Gold and Silver e/	137	123	168	643	657	647
Copper e/	481	444	403	0	0	0
Chem & fertilizers, incl barite e/	335	304	172	163	179	84
Construction	D	15	15	21	NA	NA
Manufacturing	D	D	D	D	NA	NA
Transportation and Public Utilities	76	81	81	102	NA	NA
Wholesale Trade	D	43	D	18	NA	NA
Retail Trade	516	398	327	308	NA	NA
Finance, insurance, and real estate	38	40	38	41	NA	NA
Services	155	162	252	280	NA	NA
Government and government enterprises	407	392	362	367	NA	NA
Federal, civilian	117	93	80	79	NA	NA
Military	13	14	14	13	NA	NA
State and local	277	285	268	275	NA	NA

^{1/} Based on 1972 U.S. Standard Industrial Classification.
Includes wage and salary employees plus proprietors.

^{2/} Excludes limited partners.

^{3/} Other -- Number of jobs held by U.S. residents working for international organizations in the U.S.

D Not shown to avoid disclosure of confidential information.

e Estimated by the author from data provided by the Nevada Employment Security Department

NA Not available

Name Organic Science of Consents States of J. September of Consents

reducing the description while the new volume

STREET, STREET

to their - turner of your pold by A S. problems curried for

recrusively (alread from the event both above of the said for

should not up bedreen and next reduction of totaling

STREET, STATE OF TAXABLE PARTY.

DESCRIPTION OF STREET

Table 6. - Full-time and part-time employment by major industry for Nye County, Nevada 1/

	1981	1982	1983	1984	e/ 1985	e/ 1986
Total	9,030	9,638	9,571	10,155	10,842	10,963
Farm	185	178	166	162	NA	NA
Nonfarm 2/						
Agric serv, forestry, fisheries, & other3/	D	D	D	D	NA	NA
Mining	1,554	1,452	1,138	1,236	874	1,003
Nonfuel Mining e/	1,384	1,348	1,053	1,105	726	895
Gold and Silver	386	350	338	416	408	680
Ferroalloy ores, incl molybdenum e/	291	480	335	321	31	16
Clays e/	452	316	248	242	166	158
Chem & fertilizers, incl barite e/	238	200	130	123	119	34
Construction	431	221	176	161	NA	NA
Manufacturing	94	94	81	86	NA	NA
Transportation and public utilities	158	D	D	D	NA	NA
Wholesale trade	D	41	24	21	NA	NA
Retail trade	625	639	610	647	NA	NA
Finance, insurance, and real estate	D	D	D	351	NA	NA
Services	4,683	5,714	6,094	6,421	NA	NA
Government and government enterprises	778	790	817	897	NA	NA
Federal, civilian	127	136	142	132	NA	NA
Military	98	63	67	68	NA	NA
State and local	553	591	608	697	NA	NA

^{1/} Based on 1972 U.S. Standard Industrial Classification. Includes wage and salary employees plus proprietors.

^{2/} Excludes limited partners.

^{3/} Other -- Number of jobs held by U.S. residents working for international organizations in the U.S.

D Not shown to avoid disclosure of confidential information.

e Estimated by the author from data provided by the Nevada Employment Security Department.

NA Not available

Table & - Fell-time and cont-time ampliquent in payor insenter for the foreign, beauty in

	200 200 200 200 200 200 200 200 200 200	634 631,4 630,4 630,4 630,4 630,4 631,4 63		

secretarion of familial houlests. D. S. Casorloon of Jonesico.

Delication of the second state of the second second

ministers on St

Table 7. - Full-time and part-time employment by major industry for White Pine County, Nevada 1/

	1981	1982	1983	1984	e/ 1985	e/ 1986
Total	4,255	9 3,695	3,527	3,569	3,523 13	3,652
Farm	183	175	163	159	NA	NA
Nonfarm 2/						
Agric serv, forestry, fisheries, & other3/	L	D	D	D	NA	NA
Mining	539	363	412	480	419	516
Nonfuel mining e/	350	271	277	341	288	480
Gold and Silver e/	306	243	268	310	267	461
Construction	237	167	182	223	NA	NA
Manufacturing	369	316	164	37	NA	NA
Transportation and public utilities	249	209	206	208	NA	NA
Wholesale trade	66	D	D	D	NA	NA
Retail trade	802	735	715	775	NA	NA
Finance, insurance, and real estate	168	146	137	123	NA	NA
Services	792	759	723	738	NA	NA
Government and government enterprises	842	753	748	717	NA	NA
	152	147	142	140	NA	NA.
Federal, civilian						
Military	25	25	26	25	NA	NA
State and local	665	581	580	552	NA	NA

^{1/} Based on 1972 U.S. Standard Industrial Classification.
Includes wage and salary employees plus proprietors.

^{2/} Excludes limited partners.

^{3/} Other -- Number of jobs held by U.S. residents working for international organization in the U.S.

D Not shown to avoid disclosure of confidential information.

L Less than 10 jobs.

e Estimated by the author from data provided by the Nevada Employment Security Department.

NA Not available

Name Co. - Fall-time and part aims emigrace in the saids industry for water from a feature. Named it

	The state of the s	YEO, 6	To form	£	
	631				
		0 050 050 071 453 0 071 071 071 072 073		000 830 600 100 600 800 800 800 800 800 800 800 800 8	

Source Sarver of Leonards Analysis, 9. 9. Reportance of Commerce
15 mond on 1978 of 5. Standard Indonesias Consentiantion
1991 of 1971 of 5. Standard Indonesias Proprietors
1991 of 1

contemporary (according to the party of the

The short is over the property of the property of the party of the par

forces and charel eds of bedrooms sigh and soline

Table 8. - Earnings by major industry for Nevada 1/
(Millions of \$)

	1981	1982	1983	1984	1985	1986
Total	8,123.7	8,366.2	8,836.1	9,601.3	10,378.2	11,227.5
Farm Nonfarm	49.8	40.7	29.1	44.0	32.2	40.4
Agric serv, forestry, fisheries, & other2/	30.2	28.9	38.9	37.8	41.0	45.8
Mining	230.4	210.2	199.1	228.2	234.0	229.0
Coal mining	0.0	0.0	0.0	D	D	D
Oil and gas extraction	36.3	D	22.9	D	D	D
Metal mining	139.2	e130.3	131.0	155.6	154.3	186.4
Nonmetallic minerals, except fuels	54.9	e52.8	45.2	46.4	43.6	11.1
Construction	830.0	704.6	698.4	754.5	815.7	944.6
Manufacturing	418.4	416.5	436.0	9 497.9	530.4	554.1
Transportation and public utilities	626.5	669.3		736.8	754.3	814.6
Wholesale trade	294.7	303.0	310.5	347.3	391.3	422.3
Retail trade	897.8	897.9	941.3	1,024.0	1,109.1	1,186.5
Finance, insurance, and real estate	348.4		387.3		477.7	
Services	3,168.0	3,392.4	3,627.8	3,996.1	4,382.0	4,752.2
Hotels and other lodging places	1,025.4	1,044.1		1,408.6	1,758.2	
Government and government enterprises	1,229.3	1,365.4	1,453.6	1,506.1	1,610.5	1,689.5
Federal, civilian	214.5	229.5	249.0	271.7	287.4	295.9
Military	170.4	198.4	224.9	217.3	214.8	216.7
State and local	844.4	937.6	979.7	1,017.1	1,108.3	1,176.8

^{1/} Based on 1972 U.S. Standard Industrial Classification.
Components of earnings are wages and salaries, other labor income, and proprietors' income.

^{2/} Other -- wages and salaries of U.S. residents working for international organizations in the U.S.

D Not shown to avoid disclosure of confidential information.

e Estimated by the author. Actual figures withheld by the Bureau of Economic Analysis.

a) should set gillroom to pay of sparent - a separ-

8.788,1	terror pi			
1.63				
6 65 6 65 6 881				
1.623.3				

terms of second According to Secondary of Concerne terms of access to second Industrial Classification.

referentiated experience of V to section for super-

Protect chanced is broad and bladding prompt land

Table 9. - Earnings by major industry for Elko County, Nevada 1/
(Millions of \$)

					e/	e/
	1981	1982	1983	1984	1985	1986
Total	155.3	163.1	169.8	192.0	206.8	216.7
Farm	6.2	6.2	6.0	5.9	NA	NA
Nonfar						
Agric serv, forestry, fisheries, & other2/	0.7	0.9	0.7	0.7	NA	NA
Mining	17.5	19.6	18.0	21.8	26.3	28.3
Nonfuel mining e/	14.0	14.5	12.4	14.2	17.1	18.4
Construction	15.1	12.3	10.1	12.9	NA	NA
Manufacturing	2.9	3.1	3.1	2.8	NA	NA
Transportation and public utilities	17.2	17.9	19.1	20.6	NA	NA
Wholesale trade	4.0	4.3	4.8	5.8	NA	NA
Retail trade	16.4	16.3	15.7	17.8	NA	NA
Finance, insurance, and real estate	2.4	1.6	3.0	3.3	NA	NA
Services	44.4	50.0	56.0	64.6	NA	NA
Government and government enterprises	28.5	30.8	33.1	35.8	NA	NA
Federal, civilian	6.4	6.2	6.7	8.5	NA	NA
Military	0.2	0.2	0.3	0.3	NA	NA
State and local	21.9	24.4	26.1	27.0	NA	NA

^{1/} Based on 1972 U.S. Standard Industrial Classification.

Components of earnings are wages and salaries, other labor income, and proprietors' income.

^{2/} Other -- wages and salaries of U.S. residents working for international organizations in the U.S.

e Estimated by the author.

NA Not available

(* \(\) \(

		1881	1000	
1		0		
65 3 65 3 65 3 68 48 68 48 68 68 68 68 68 68 68 68 68 68 68 68 68	3.7 10.6 18.7 18.7 18.7 18.7 18.8 18.6 18.6 18.6 18.6 18.6 18.6 18.6	7, 9 9, 8 9, 2 1, 8 1, 8 1, 8 1, 8 1, 8 1, 8 1, 8 1, 8		

content to treatment 2 A supplied regard to being content or served annual transfer of the served to served to the served to served to the ser

tel material explorer. I if he executes has reque - each

ANTAL NO. OF BRIDGISH

100000000

Table 10. - Earnings by major industry for Eureka County, Nevada 1/
(Millions of \$)

	1981	1982	1983	1984	e/ 1985	e/ 1986
Total	14.0	14.1	14.4	19.2	31.6	36.1
Farm Nonfarm	0.9	1.2	0.7	1.1	NA	NA
Agric serv, forestry, fisheries, & other2/	L	L	L	L	NA	NA
Mining	9.9	e10.0	e10.2	15.1	23.3	28.7
Nonfuel mining e/	9.2	9.1	10.0	14.9	22.3	28.4
Construction	D	D	D	0.1	NA	NA
Manufacturing	L	L	L	L	NA	NA
Transportation and public utilities	D	0.2	0.1	0.1	NA	NA
Wholesale trade	0.1	0.1	0.1	0.1	NA	NA
Retail trade	0.6	0.4	0.4	0.4	NA	NA
Finance, insurance, and real estate	0.1	D	0.1	0.1	NA	NA
Services	0.3	0.3	0.4	0.4	NA	NA
Government and government enterprises	1.3	1.6	1.6	1.7	NA	NA
Federal, civilian	0.1	0.1	0.1	0.1	NA	NA
Military	L	L	L	L	NA	NA
State and local	1.2	1.5	1.5	1.5	NA	NA

Source: Bureau of Economic Analysis, U. S. Department of Commerce.

^{1/} Based on 1972 U.S. Standard Industrial Classification. Components of earnings are wages and salaries, other labor income, and proprietors' income.

^{2/} Other -- wages and salaries of U.S. residents working for international organizations in the U.S.

D Not shown to avoid disclosure of confidential information.

L Less than \$50,000.

e Estimated by the author.

NA Not available

California and a second to be for facility of a percent . It wish to

The second by foregroups of the simplest engages to second the second to second the second to second the second to s

AND DESCRIPTION OF STREET

Table 11. - Earnings by major industry for Lander County, Nevada 1/
(Millions of \$)

	1981	1982	1983	1984	e/ 1985	e/ 1986
Total	43.6	41.9	37.7	40.9	44.9	43.3
Farm	1.7	1.6	1.7	1.6	NA	NA
Nonfarm						
Agric serv, forestry, fisheries, & other 2/	0.1	D	D	D	NA	NA
Mining	28.3	27.9	24.3	26.1	30.5	27.6
Nonfuel mining e/	23.5	23.7	22.3	25.0	29.2	26.4
Construction	D	0.3	0.3	0.5	NA	NA
Manufacturing	D	D	D	D	NA	NA
Transportation and public utilities	1.0	1.0	1.0	1.3	NA	NA
Wholesale trade	D	0.8	D	0.4	NA	NA
Retail trade	3.6	3.1	2.1	2.1	NA	NA
Finance, insurance, and real estate	0.3	0.3	0.3	0.4	NA	NA
Services	0.9	0.6	1.5	2.0	NA	NA
Government and government enterprises	6.0	6.1	6.0	6.2	NA	NA
Federal, civilian	2.4	2.0	1.9	2.1	NA	NA
Military	L	0.1	0.1	0.1	NA	NA
State and local	3.6	4.0	4.0	4.0	NA	NA

^{1/} Based on 1972 U.S. Standard Industrial Classification. Components of earnings are wages and salaries, other labor income, and proprietors' income.

^{2/} Other -- wages and salaries of U.S. residents working for international organizations in the U.S.

D Not shown to avoid disclosure of confidential information.

L Less than \$50,000.

e Estimated by the author.

NA Not available

table 11. - foreign to saler tedestry for Looker County, Letteds 14

U.C			
17			

person of humanity of the person of persons,

rotate and a control for the control of the control

the polyton or and as white of L & said one and log for

not polition available it. I be added to have more - made to

2.0 Add to applications lassificated

distinguishments were less than the second to the

the off p bearing

CONTRACTOR OF ST

Table 12. - Karnings by major industry for Nye County, Nevada 1/
(Millions of \$)

	1981	1982	1983	1984	e/ 1985	e/ 1986
Total	214.0	246.4	254.5	276.1	312.1	319.5
Farm Nonfarm	2.3	1.6	1.2	1.2	NA	NA
Agric serv, forestry, fisheries, & other 2/	D	D	D	D	NA	NA
Mining Nonfuel mining e/	43.9	43.7	36.4 33.7	39.8 35.6	28.2 25.2	36.0 32.2
Construction	9.1	4.2	3.4	2.9	NA	NA
Manufacturing	2.3	2.6	1.6	1.9	NA	NA
Transportation and public utilities	4.7	D	D	D	NA	NA
Wholesale trade	D	0.6	0.3	0.3	NA	NA
Retail trade	5.0	5.7	5.2	5.5	NA	NA
Finance, insurance, and real estate	D	D	D	4.6	NA	NA
Services	127.9	166.9	182.7	197.7	NA	NA
Government and government enterprises	11.7	12.8	13.9	15.6	NA	NA
Federal, civilian	2.7	3.0	3.3	3.3	NA	NA
Military	1.2	0.8	0.8	0.8	NA	NA
State and local	7.9	9.0	9.8	11.5	NA	NA

^{1/} Based on 1972 U.S. Standard Industrial Classification. Components of earnings are wages and salaries, other labor income, and proprietors' income.

^{2/} Other -- wages and salaries of U.S. residents working for international organizations in the U.S.

D Not shown to avoid disclosure of confidential information.

e Estimated by the author.

NA Not available

Table 13. - Earnings by major industry for White Pine County, Nevada 1/
(Millions of \$)

	1981	1982	1983	1984	e/ 1985	e/ 1986
Total	63.1	58.5	58.2	58.1	59.0	63.7
Farm Nonfarm	1.4	1.5	1.4	1.6	NA	NA
Agric serv, forestry, fisheries, & other 2/	L	D	D	D	NA	NA
Mining	11.3	10.1	13.4	15.6	14.1	24.4
Nonfuel mining e/	7.4	7.5	9.0	11.1	10.0	17.3
Construction	4.1	2.3	2.7	3.5	NA	NA
Manufacturing	11.4	9.8	6.6	0.8	NA	NA
Transportation and Public Utilities	5.8	6.7	6.7	6.9	NA	NA
Wholesale trade	1.0	D	D	D	NA	NA
Retail trade	7.2	6.7	6.7	7.5	NA	NA
Finance, insurance, and real estate	1.6	1.5	1.3	1.2	NA	NA
Services	7.1	7.3	6.4	6.8	NA	NA
Government and government enterprises	12.1	11.7	12.1	12.4	NA	NA
Federal, civilian	2.9	2.7	3.1	3.3	NA	NA
Military	0.1	0.1	0.1	0.1	NA	NA
State and local	9.1	8.8	8.9	9.0	NA	NA

^{1/} Based on 1972 U.S. Standard Industrial Classification. Components of earnings are wages and salaries, other labor income, and proprietors' income.

^{2/} Other -- wages and salaries of U.S. residents working for international organizations in the U.S.

D Not shown to avoid disclosure of confidential information.

L Less than \$50,000.

e Estimated by the author.

NA Not available

takte 15. - Resident St. anger laketer der State Pine Seaty, Araba l.

107			
6.84 6.00 81 81 81 88 88 88	7.8.0 7.8.2 7.0 7.0 7.0 7.0 1.2.1 8.1	1:0 8.0 8.0 9.8 7.0 7.1 8.1 7.2	

Interest there of training testings, U. S. Department of Compares.

If small on 1872 has Standard Endocking Circumston.

Companies of consisted are companies and coloring, other labor lacours,

Ty there - vapus and solarion of 0.5 residents working for

and the contract to present the contract of the contract of

allelian of the

The state of the s

Table 14. - Estimated total impacts for all nonfuel mineral mining in Nevada (Millions of \$)

	1981	1982	1983	1984	1985	1986
Employment 1/ (Number)						
Direct	6,555	5,696	5,338	5,918	5,478	5,924
Indirect	6,179	5,377	5,141	5,922	5,583	6,127
Total	12,734	11,073	10,479	11,840	11,061	12,051
Earnings 1/						
Direct	172.9	160.1	158.2	182.6	184.5	207.4
Indirect	122.9	ef 115.2	114.1	136.9	142.1	160.5
Total	295.8	275.3	272.3	319.5	326.6	367.9
Indirect Business Taxes 2/						
Direct	3.1	3.4	7.3	6.7	7.0	NA
Indirect	2.7	3.0	6.5	5.9	6.2	NA
Total	5.8	6.4	13.8	12.6	13.2	NA
Property-type income 3/						
Direct	209.9	168.9	250.0	241.5	262.9	NA
Indirect	184.5	149.7	225.3	214.8	230.5	NA
Total	394.4	318.6	475.3	456.3	493.4	NA
Corporate profits						
before taxes						
Direct	125.6	86.9	161.2	149.3	166.3	315.3
Gross state product 4/						
by industry						
Direct	385.9	332.4	415.5	430.8	454.4	675.2
Indirect	335.5	289.9	370.3	382.0	402.5	612.9
Total	721.4	622.3	785.8	812.8	856.9	1288.1

^{1/} Employment equals full and part-time wage and salary employees plus proprietors. Components of earnings are wages and salaries, other labor income, and proprietors' income. The direct impacts do not include mining services. Employment and earnings for these industries are included in the indirect effects.

^{2/} Net proceeds of mines taxes plus property taxes.

^{3/} Property-type income equals capital consumption allowances, business transfer payments, net interest paid, and corporate profits before taxes.

^{4/} Current dollar gross state product (GSP) is similar to gross national product for the Nation's economy, which expresses in dollars the market value of new goods and services produced for final use or not resold during a specified period of time. Gross state product equals earnings plus indirect business taxes plus property-type income. GSP for 1986 was estimated by extrapolating the 1985 value by the change in earnings plus corporate profits before taxes.

NA Not available

Should at animals forming factors the net already factor becomes - at some

		۶.	statute (a reposited days). days). (Alexandra)

to declarate equal full sat processes and rates relative relative and processes of relative relatives. The processes and relatives of the relative between the construction of the relative between the relative between the relative test relative and relative test relati

the property of some some part from the con-

Limited at the control of the light state of the control of the co

Table 15. - Estimated total impacts for gold and silver mining in Nevada (millions of \$)

	1981	1982	1983	1984	1985	1986
Employment 1/ (Number)	1111					
Direct	2,568	2,246	2,597	3,659	3,627	4,524
Indirect	2,825	2,471	2,857	4,025	3,990	4,976
Total	5,393	4,717	5,454	7,684	7,617	9,500
Barnings 1/						
Direct	71.3	66.0	78.4 %	113.8	124.5	162.7
Indirect	57.0	52.8	62.7	91.0	99.6	130.2
Total	128.3	118.8	141.1	204.8	224.1	292.9
Indirect Business Taxes 2/						
Direct	1.7	2.0	5.5	4.7	5.1	NA
Indirect	1.6	1.9	5.2	4.4	4.8	NA
Total	3.3	3.9	10.7	9.1	9.9	NA
Property-type income 3/						
Direct	171.1	141.7	223.1	216.8	235.6	NA
Indirect	159.1	131.8	207.5	201.6	219.1	NA
Total	330.2	273.5	430.6	418.4	454.7	NA
Corporate profits						
before taxes						
Direct	118.1	89.3	160.19	144.7	159.4	310.0
Gross state product 4/						
by industry						
Direct	244.1	209.7	307.0	335.3	365.2	608.1
Indirect	229.5	197.1	288.6	315.2	343.3	571.6
Total	473.6	406.8	595.6	650.5	708.5	1179.7
1/ Aprilmont engls Tulk	P10 1071	-1 10 10 11		es mala	1100 010	

^{1/} Employment equals full and part-time wage and salary employees plus proprietors. Components of earnings are wages and salaries, other labor income, and proprietors' income. The direct impacts do not include mining services. Employment and earnings for these industries are included in the indirect effects.

^{2/} Net proceeds of mines taxes plus property taxes.

^{3/} Property-type income equals capital consumption allowances, business transfer payments, net interest paid, and corporate profits before taxes.

^{4/} Current dollar gross state product (GSP) is similar to gross national product for the Nation's economy, which expresses in dollars the market value of new goods and services produced for final use or not resold during a specified period of time. Gross state product equals earnings plus indirect business taxes plus property-type income. GSP for 1986 was estimated by extrapolating the 1985 value by the change in earnings plus corporate profits before taxes.

NA Not available

The first terms of the second

<i>ک</i> "					
	1.018	8 100	, <i>f</i> for		

pifulleys to the

At the process of agent away to story out At

And the state of the second se

Output for the fatter a stance, also surpained to the fatter the market for the sand of the sand of project for the fatter a stance, also surpained the first one or other sand to derive a local set of market for the fatter of the fatter of

Table 16. - Estimated total impacts for nonfuel minerals other than gold and silver in Nevada
(Millions of \$)

	1981	1982	1983	1984	1985	1986
Employment 1/ (Number)						
Direct	3,987	3,450	2,741	2,259	1,851	1,400
Indirect	3,354	2,906	2,284	1,897	1,593	1,151
Total	7,341	6,356	5,025	4,156	3,444	2,551
Barnings 1/						
Direct	101.6	94.1	79.8	68.8	60.0	44.7
Indirect	65.9	62.4	51.4	45.9	42.5	30.3
Total	167.5	156.5	131.2	114.7	102.5	75.0
Indirect business taxes 2/						
Direct	1.4	1.4	1.8	2.0	1.9	NA
Indirect	1.1	1.1	1.3	1.5	1.4	NA
Total	2.5	2.5	3.1	3.5	3.3	NA
Property-type income 3/						
Direct	38.8	27.2	26.9	24.7	27.3	NA
Indirect	25.4	17.9	17.8	13.2	11.4	NA
Total	64.2	45.1	44.7	37.9	38.7	NA
Corporate profits						
before taxes						
Direct	7.5	-2.4	1.1	4.6	6.9	5.3
Gross state product 4/						
by industry						
Direct	141.8	122.7	108.5	95.5	89.2	67.1
Indirect	106.0	92.8	81.7	66.8	59.2	41.3
Total	247.8	215.5	190.2	162.3	148.4	108.4
later tactor, and pro	47 12 10 1			TOTAL T		

^{1/} Employment equals full and part-time wage and salary employees plus proprietors. Components of earnings are wages and salaries, other labor income, and proprietors' income. The direct impacts do not include mining services. Employment and earnings for these industries are included in the indirect effects.

^{2/} Net proceeds of mines taxes plus property taxes.

^{3/} Property-type income equals capital consumption allowances, business transfer payments, net interest paid, and corporate profits before taxes.

^{4/} Current dollar gross state product (GSP) is similar to gross national product for the Nation's economy, which expresses in dollars the market value of new goods and services produced for final use or not resold during a specified period of time. Gross state product equals earnings plus indirect business taxes plus property-type income. GSP for 1986 was estimated by extrapolating the 1985 value by the change in earnings plus corporate profits before taxes.

NA Not available

((
	100,1 100,1	100.1 000.1 100.1 100.1 100.1					

2) The provided of along these with positive and a

transfer possests, not refront and, not requeste being being taxes.

Petros att enville ti convenien di ire , vannon a' mitali nii val Pademi
ittare dec ni can lant tot tounien arabena ina stora envi la salar
materia atministrativami di irenti atminist

STATISTICS AND IN

Table 17. - Estimated total impacts for all nonfuel mineral mining in Elko County, Nevada (Millions of \$)

1981	1982	1983	1984	1985	1986
111	1/1	117	434		
598	611	475	519	560	580
359	367	285	311	300	348
957	978	760	830	860	928
14.0	14.5	12.4	14.2	17.1	18.4
5.6	5.8	5.0	5.7	6.8	7.4
19.6	20.3	17.4	19.9	23.9	25.8
0.4	0 7	4 77	4 0		NT A
					NA
L	0.4	0.9	0.6	0.7	NA
0.1	1.1	2.6	1.9	2.1	NA
	598 359 957 14.0 5.6 19.6	598 611 359 367 957 978 14.0 14.5 5.6 5.8 19.6 20.3	598 611 475 359 367 285 957 978 760 14.0 14.5 12.4 5.6 5.8 5.0 19.6 20.3 17.4 0.1 0.7 1.7 L 0.4 0.9	598 611 475 519 359 367 285 311 957 978 760 830 14.0 14.5 12.4 14.2 5.6 5.8 5.0 5.7 19.6 20.3 17.4 19.9 0.1 0.7 1.7 1.3 L 0.4 0.9 0.6	598 611 475 519 560 359 367 285 311 300 957 978 760 830 860 14.0 14.5 12.4 14.2 17.1 5.6 5.8 5.0 5.7 6.8 19.6 20.3 17.4 19.9 23.9 0.1 0.7 1.7 1.3 1.4 L 0.4 0.9 0.6 0.7

^{1/} Employment equals full and part-time wage and salary employees plus proprietors. Components of earnings are wages and salaries, other labor income, and proprietors' income. The direct impacts do not include mining services. Employment and earnings for these industries are included in the indirect effects.

^{2/} Net proceeds of mines taxes plus property taxes.

NA Not available

L Less than \$50.000

falls II. Carpeted betal pagette for all tended alcoral states or file facely, fersite

8881			
876 605			

f Besterner on all and pertine one and select replaces plan exact contents of the second selection. The select one second selection of the later investigation of the later interest of the later selected and services and selection in the selection of the selection of the later industries.

DECEMBER AND A SCHOOL PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE

the property of also were plus property trace

Table 18. - Estimated total impacts for all nonfuel mineral mining in Eureka County, Nevada (Millions of \$)

	1981	1982	1983	1984	1985	1986
Employment 1/ (Number)						
Direct	366	318	307	480	642	790
Indirect	73	65	61	96	128	158
Total	439	383	368	576	770	948
Barnings 1/						
Direct	9.2	9.1	10.0	14.9	22.3	28.4
Indirect	0.9	0.9	1.0	1.5	2.2	2.8
Total	10.1	10.0	11.0	16.4	24.5	31.2
Indirect Business Taxes 2/						
Direct	0.6	0.4	1.0	0.9	0.7	NA
Indirect	0.1	L	0.1	0.3	0.1	NA
Total	0.7	0.4	1.1	1.2	0.8	NA

^{1/} Employment equals full and part-time wage and salary employees plus proprietors. Components of earnings are wages and salaries, other labor income, and proprietors' income. The direct impacts do not include mining services. Employment and earnings for these industries are included in the indirect effects.

^{2/} Net proceeds of mines taxes plus property taxes.

NA Not available

L Less than \$50.000

tible of "Intimated bates provide for all nonline along the bases to broke towner, Arreits (title)

and an enterior of the contract of the contrac

NATIONAL PROPERTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE

THE REAL PROPERTY AND A PARTY AND ADDRESS OF THE PARTY ADDRESS OF TH

Table 19. - Estimated total impacts for all nonfuel mineral mining in Lander County, Nevada (Millions of \$)

	1981	1982	1983	1984	1985	1986
Employment 1/ (Number)						
Direct	966	880	748	809	840	735
Indirect	290	264	224	243	252	221
Total	1,256	1,144	972	1,052	1,092	956
Burlament In Physics						
Barnings 1/						
Direct	23.5	23.7	22.3	25.0	29.2	26.4
Indirect	4.7	4.7	4.5	5.0	5.8	5.3
Total	28.2	28.4	26.8	30.0	35.0	31.7
Indirect Business Taxes 2/						
Direct	0.5	0.4	0.5	0.5	0.9	NA
Indirect	0.1	0.1	0.1	0.1	0.2	NA
Total	0.6	0.5	0.6	0.6	1.1	NA

^{1/} Employment equals full and part-time wage and salary employees plus proprietors. Components of earnings are wages and salaries, other labor income, and proprietors' income. The direct impacts do not include mining services. Employment and earnings for these industries are included in the indirect effects.

^{2/} Net proceeds of mines taxes plus property taxes.

NA Not available

Table 15. - Assignment total (asserts for all souther winers) mining to Larder Citativ, herein

8661	feet feet	. 0001	Cris	i i	
ic.	046 008 028 505 0 288 1				
28 1 5.3 81.1	25 0				
	0.0 2.0 0.0 1.0				

And the second field and pure they ears and salety employees plus or annual second sec

to conjust, on 11

Table 20. - Estimated total impacts for all nonfuel mineral mining in Nye County, Nevada (Millions of \$)

	1981	1982	1983	1984	1985	1986
Telepoor .		10				
Employment 1/ (Number)					111	
Direct	1,384	1,348	1,053	1,105	726	895
Indirect	415	404	316	332	218	269
Total	1,799	1,752	1,369	1,437	944	1,164
Earnings 1/						
Direct	39.0	40.6	33.7	35.6	25.2	32.2
Indirect	7.8	8.1	6.7	7.1	5.0	6.4
Total	46.8	48.7	40.4	42.7	30.2	38.6
Indirect Business Taxes 2/						
Direct	0.3	0.3	0.9	0.7	0.7	NA
Indirect	0.1	0.1	0.2	0.1	0.1	NA
Total	0.4	0.4	1.1	0.8	0.8	NA

^{1/} Employment equals full and part-time wage and salary employees plus proprietors. Components of earnings are wages and salaries, other labor income, and proprietors' income. The direct impacts do not include mining services. Employment and earnings for these industries are included in the indirect effects.

^{2/} Net proceeds of mines taxes plus property taxes.

NA Not available

placed elastic or polate faccata factors of places from

			1868	
490 (33				
2.22	2 72 (A seed
	1.0			

The colors of the desired and the colors of the colors of

oldeline by III

Table 21. - Estimated total impacts for all nonfuel mineral mining in White Pine County, Nevada (Millions of \$)

	1981	1982	1983	1984	1985	1986
Employment 1/ (Number)						
Direct	350	271	277	341	288	480
Indirect	210	163	166	205	173	288
Total	560	434	443	546	461	768
Earnings 1/						
Direct	7.4	7.5	9.0	11.1	10.0	17.3
Indirect	3.0	3.0	3.6	4.4	4.0	6.9
Total	10.4	10.5	12.6	15.5	14.0	24.2
Indirect Business Taxes 2/						
Direct	0.3	0.3	0.7	0.4	0.3	NA
Indirect	0.2	0.2	0.4	0.2	0.2	NA
Total	0.5	0.5	1.1	0.6	0.5	NA

^{1/} Employment equals full and part-time wage and salary employees plus proprietors. Components of earnings are wages and salaries, other labor income, and proprietors' income. The direct impacts do not include mining services. Employment and earnings for these industries are included in the indirect effects.

BLM Library Denver Federal Center Bldg. 50, OC-521 P.O. Box 25047 Denver, CO 80225

^{2/} Net proceeds of mines taxes plus property taxes.

NA Not available

the distantal tail forests for all needed almost along to the First world, devolu-

8688				
0.0				
87 E	6.8			

Translation of the contract of

ATRICIONAL DES DE

BLM Library Denver Federal Center Bidg. 50, OC-521 PO Box 25047 Denver CO 80225

BLM Library
Denver Foderal Center
Bldg, 50, 00-521
P.O. Box 250-17
Denver, CO 80225

